Research Materials
Licensing Catalog

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(No. 005803) Murine Hybridoma producing IgG1 Monoclonal Antibody to Human ILT3

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Research Tools

ANTIBODIES

HAMSTER

Hamster IgG Monoclonal Antibodies against Mouse IL-1 Alpha
Technology Reference No.: 000125
Primary Inventor: Robert D. Schreiber, PhD
Target: Mouse interleukin-1 alpha.
Notes: Clone name is Alf-161
License this research tool.

Hamster IgG Monoclonal Antibodies against Mouse/Rat IL-1 Beta
Technology Reference No.: 000125
Primary Inventor: Robert D. Schreiber, PhD
Target: Mouse/rat interleukin-1 beta. Located on macrophages, dendritic cells, T and B cells.
Notes: Clone name is B-122
License this research tool.

Armenian hamster anti-mouse TCR Vb 8.3 IgG3 monoclonal antibody (clone 1B3.3)
Technology Reference No.: 000304
Primary Inventor: Paul Allen
Target: Full length mouse Vb 8.3 TCR but not 8.1 or 8.2. Vb 8.3.
Application: Flow cytometry
License this research tool.

Hamster Hybridoma producing Monoclonal Antibody against Murine IFNAR-1
Technology Reference No.: 004451
Primary Inventor: Robert D. Schreiber, PhD
Target: Type-1 interferon receptor subunit, a key signaling receptor in the interferon pathway.
Notes: Clones 6A6, 3F9.C6
License this research tool.

Hamster Hybridoma producing Monoclonal Antibody against Murine CD272 (BTLA)
Technology Reference No.: 004458
Primary Inventor: Kenneth M. Murphy, MD
Target: B and T lymphocyte attenuator (BTLA). BTLA is expressed on peripheral lymphocytes, splenic macrophages and select developing B and T cells.
Notes: Clones 6A6, 3F9.C6
License this research tool.

Hamster Hybridoma producing Monoclonal Antibody against Mouse CXCR3
Technology Reference No.: 005883
Primary Inventor: Robert D. Schreiber, PhD
Target: C-X-C chemokine family member (CXCR3). Expressed on NK cells, activated T lymphocytes, select endothelial and epithelial cells.
License this research tool.
Hamster Hybridoma producing Monoclonal Antibody against Mouse CXCL9
Technology Reference No.: 005944
Primary Inventor: Robert D. Schreiber, PhD
Target: Inflammatory chemokine CXCL9, monokine induced by IFN-gamma. Secreted mainly by macrophages.
Notes: Clone MIG-2F5-5. Use in ELISA, neutralizing and binding assays.
License this research tool.

Hamster Hybridoma producing Monoclonal IgG Antibodies against Mouse IFN-alpha
Technology Reference No.: 012056
Primary Inventor: Robert D. Schreiber, PhD
Target: Interferon-alpha species (IFN-a, -1, -4, -5, -11 and -13)
Notes: Contact for more info.
License this research tool.

Hamster Hybridoma producing Monoclonal IgG2a Antibodies against Mouse IFN-beta
Technology Reference No.: 012057
Primary Inventor: Robert D. Schreiber, PhD
Target: Interferon-beta (IFN-beta).
Notes: Clone available is HDb-4A7. ELISA, neutralization.
License this research tool.

Armenian Hamster Anti-Mouse Tapasin Antibody, clone 5D3
Technology Reference No.: 016628
Primary Inventor: Ted Hansen
Target: Amino acids 11-34 of mouse tapasin.
Application(s): Western Blotting
License this research tool.

Armenian Hamster Anti-Mouse CDT1 Antibody
Technology Reference No.: 010474
Primary Inventor: Kyunghee Choi
Target: Amino acids 177-557 of mouse CDT1.
Application(s): Western Blotting
License this research tool.

Armenian Hamster Anti-Mouse Properdin Monoclonal Antibody (clone H4)
Technology Reference No.: 014378
Primary Inventor: Dennis Hourcade
Target: Full length mouse properdin
Application(s): Western blot and immunofluorescence
License this research tool.
Murine Hybridoma producing Monoclonal Antibodies against Human NKp44
Technology Reference No.: 004356
Primary Inventor: Marco Colonna, MD
Target: NKp44 is a novel triggering surface molecular specifically expressed by activated natural killer cells.
Notes: Clone name 448.189 Marco Colonna, MD
License this research tool.

Murine Hybridoma producing IgG1 Monoclonal Antibody to Human CD96 (Tactile)
Technology Reference No.: 005374
Primary Inventor: Marco Colonna, MD
Target: CD96 is a T cell-specific receptor indicative of T cell activation.
Notes: Clone name NK92.39.1. For use in flow cytometry.
License this research tool.

Murine Hybridoma producing IgG1 Monoclonal Antibody to Human CD155 (PVR)
Technology Reference No.: 005375
Primary Inventor: Marco Colonna, MD
Target: CD155 is a adhesion receptor, originally known as the cellular receptor for Polio Virus.
Notes: Clone name is SK II 4.3
License this research tool.

Murine Hybridoma producing IgG1 Monoclonal Antibody to Human CD158i
Technology Reference No.: 005376
Primary Inventor: Marco Colonna, MD
Target: A member of the killer immunoglobulin-like receptor (KIR) family expressed on natural killer cells.
Notes: Clone JJC116
License this research tool.

Murine Hybridoma producing IgG1 Monoclonal Antibody to Human CD158d
Technology Reference No.: 005377
Primary Inventor: Marco Colonna, MD
Target: CD158d is a member of the killer immunoglobulin-like receptor family expressed in all natural killer cells and some T-cells.
Notes: Clone name is 53.1
License this research tool.

Murine Hybridoma producing IgG1 Monoclonal Antibody to Human NKp30
Technology Reference No.: 005378
Primary Inventor: Marco Colonna, MD
Target: NKp30 (aka CD337) is an natural killer cell receptor.
Notes: Clone name is AF29-4D12.
License this research tool.
Murine Hybridoma producing IgG1 Monoclonal Antibody to Human CD147
Technology Reference No.: 005402
Primary Inventor: Marco Colonna, MD
Target: CD147 is a extracellular matrix metalloproteinase-inducer protein that is encoded by the BSG gene. CD147 is reported to be an essential receptor on red blood cells for the human malaria parasite.
Notes: Isotype: Clone name is 36.3G4. Used for flow cytometry.
License this research tool.

Murine Hybridoma producing IgG1 Monoclonal Antibody to Human CD226 (DNAM-1)
Technology Reference No.: 005408
Primary Inventor: Marco Colonna, MD
Target: CD226 is a glycoprotein expressed on natural killer cells, platlets, monocytes and a subset of T cells.
Notes: Clone name is 11A8, used for flow cytometry.
License this research tool.

Murine Hybridoma producing IgG2b Monoclonal Antibody to Human CD47
Technology Reference No.: 005409
Primary Inventor: Marco Colonna, MD
Target: CD47 is a integrin associated protein that is overexpressed in a variety of tumor cells.
Notes: Clone name is 36-61.3.
License this research tool.

Murine Hybridoma producing IgG1 Monoclonal Antibody to Human CD155
Technology Reference No.: 005410
Primary Inventor: Marco Colonna, MD
Target: Cluster of Differentiation 155 protein, a.k.a. Poliovirus Receptor.
Notes: Clone name is SKII.4.
License this research tool.

Murine Hybridoma producing IgG1 Monoclonal Antibody to Human SIRP-B1
Technology Reference No.: 005411
Primary Inventor: Marco Colonna, MD
Target: Signal regulatory protein beta-1 (aka CD172b) is an immunoglobulin-like cell surface receptor involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes.
Notes: Isotype: Clone name is LSB1.50.
License this research tool.

Murine Hybridoma producing IgG1 Monoclonal Antibody to Human SIRP-B2
Technology Reference No.: 005412
Primary Inventor: Marco Colonna, MD
Target: Cluster of Differentiation 172g protein, a.k.a. Signal Regulatory Protein Beta-2.
Notes: Clone name is LSB2.20.
License this research tool.
Murine Hybridoma producing IgG1 Monoclonal Antibody to Human SIRP Alpha + Beta
Technology Reference No.: 005413
Primary Inventor: Marco Colonna, MD
Target: Cluster of Differentiation 172g protein, a.k.a. Signal Regulatory Protein Alpha and Beta.
Notes: Clone name is 148.
License this research tool.

Murine Hybridoma producing IgG1 Monoclonal Antibody to Human CD96
Technology Reference No.: 005414
Primary Inventor: Marco Colonna, MD
Target: Cluster of Differentiation 96 protein, a.k.a. T Cell-Activated Increased Late Expression protein.
Notes: Clone name is MX92.39.
License this research tool.

Murine Hybridoma producing IgG1 Monoclonal Antibody to Human ILT3
Technology Reference No.: 005803
Primary Inventor: Marco Colonna, MD
Target: Immunoglobulin transcript 3 (ILT3).
Notes: Clone name is ZM4.1.
License this research tool.

Murine Hybridoma producing IgG2a Monoclonal Antibody to Mouse Rae1 Delta
Technology Reference No.: 005805
Primary Inventor: Marco Colonna, MD
Target: Retinoic Acid Early 1 Delta protein.
Notes: Clone Charlotte O1.23.
License this research tool.

Murine Hybridoma producing IgG2b Monoclonal Antibody to Human CD85h (ILT1)
Technology Reference No.: 005807
Primary Inventor: Marco Colonna, MD
Target: Cluster of Differentiation 85h protein, a.k.a. Ig-Like Transcripts 1.
Notes: Clone name is 24.
License this research tool.

Murine Hybridoma producing IgG1 Monoclonal Antibody to Human FREB
Technology Reference No.: 005808
Primary Inventor: Marco Colonna, MD
Target: Fc Receptor Homolog Expressed in B-Cells.
Notes: Clone name is N28.1.
License this research tool.

Murine Hybridoma producing IgG1 Monoclonal Antibodies against Human CD56 (NCAM)
Technology Reference No.: 005955
Primary Inventor: Marco Colonna, MD
Target: Cluster of Differentiation, a.k.a. Neural Cell Adhesion Molecule.
Notes: Clone available is 40i32.
License this research tool.
**Murine Hybridoma producing IgG2b Monoclonal Antibody to Mouse Rae1 Beta**
Technology Reference No.: 007575
Primary Inventor: Marco Colonna, MD
Target: Retinoic Acid Early 1 Beta protein.
Notes: Clone name is R1g. Used in flow cytometry.
[License this research tool.]

**Murine Hybridoma producing IgG1 Monoclonal Antibody to Human B7-H3**
Technology Reference No.: 007604
Primary Inventor: Marco Colonna, MD
Target: Cluster of Differentiation, a.k.a. Neural Cell Adhesion Molecule.
Notes: Clone name is DCN.70.
[License this research tool.]

**Murine Hybridoma producing IgG2b Monoclonal Antibody to Human CRTAM**
Technology Reference No.: 007608
Primary Inventor: Marco Colonna, MD
Notes: Clone available is Cr 24.1. Used in flow cytometry.
[License this research tool.]

**Murine Hybridoma producing IgG2b Monoclonal Antibody to Human CRTAM**
Technology Reference No.: 007609
Primary Inventor: Marco Colonna, MD
Notes: Clone available is 134.
[License this research tool.]

**Mouse Hybridoma producing IgG2b Monoclonal Antibodies to Human FcRL4**
Technology Reference No.: 007612
Primary Inventor: Marco Colonna, MD
Target: Fc Receptor Like 4 protein.
Notes: Clone available is 413D12. Used in flow cytometry, immunoprecipitation, and functional studies.
[License this research tool.]

**Mouse Hybridoma producing IgG3 Antibodies against Human TIGIT (WUCAM)**
Technology Reference No.: 008862
Primary Inventor: Marco Colonna, MD
Target: T Cell Immunoreceptor with Ig and ITIM domains, a.k.a. WUCAM
Notes: Clone available is 4E1.2. Used in flow cytometry and functional studies.
[License this research tool.]

**Mouse and Human Anti-MR1 Hybridoma**
Technology Reference No.: 013681
Primary Inventor: Ted Hansen, PhD
Target: Major Histocompatibility Complex, Class 1-Related Protein
Notes: Clone available is 26.5
[License this research tool.]
Rat Hybridoma producing Monoclonal Antibodies against Mouse PDCA1
Technology Reference No.: 004377
Primary Inventor: Marco Colonna, MD
Target: Antibodies recognize a small leukocyte population of cells called interferon producing cells or plasmacytoid dendritic cells.
Notes: Clone names 129c1 and 927
License this research tool.

Rat Hybridoma producing IgG Monoclonal Antibody to Human MIC Molecule
Technology Reference No.: 005804
Primary Inventor: Marco Colonna, MD
Target: Major Histocompatibility Complex (MHC) Class I Chain-Related protein.
Notes: Clone name is 440c.
License this research tool.

Rat Hybridoma producing IgG2b mAB to Mouse Natural IPC-Specific Antigen
Technology Reference No.: 005806
Primary Inventor: Marco Colonna, MD
Target: Natural Interferon-Producing Cell-Specific Antigen
Notes: Clone available is 440c
License this research tool.

Rat Hybridoma producing IgG2b Monoclonal Antibodies against Mouse CD317 (PDCA1, BST2)
Technology Reference No.: 005951
Primary Inventor: Marco Colonna, MD
Target: Cluster of Differentiation 317 protein, a.k.a. Plasmacytoid Dendritic Cell A1 protein and Bone Marrow Stromal Antigen 2 protein.
Notes: Clone available is 129c1. Used in staining of cells. Does not deplete interferon producing cells.
License this research tool.

Rat Hybridoma producing IgG Monoclonal Antibody to Human CD177
Technology Reference No.: 007605
Primary Inventor: Marco Colonna, MD
Notes: Clone name is Red33.
License this research tool.

Rat Hybridoma producing IgG Monoclonal Antibody to Human CD177
Technology Reference No.: 007606
Primary Inventor: Marco Colonna, MD
Notes: Clone available is 4127.
License this research tool.
Rat Hybridoma producing IgG2a Monoclonal Antibodies to Murine CD226 (DNAM-1)
Technology Reference No.: 007610
Primary Inventor: Marco Colonna, MD
Target: Cluster of Differentiation 226 protein, a.k.a. DNAX Accessory Molecule 1.
Notes: Clone available is 480.1
License this research tool.

Rat Hybridoma producing IgG2a Monoclonal Antibodies to Murine CD155 (TAGE4)
Technology Reference No.: 007611
Primary Inventor: Marco Colonna, MD
Target: Cluster of Differentiation 155 protein, a.k.a. the Polio Virus Receptor.
Notes: Clone available is 4.24. Used in flow cytometry.
License this research tool.

Rat Hybridoma producing IgG1 Monoclonal Antibodies to Mouse CD96
Technology Reference No.: 010940
Primary Inventor: Marco Colonna, MD
Target: Cluster of Differentiation 96 protein.
Notes: Clone available is 3.3.1
License this research tool.

OTHER

Monoclonal antibodies against Dengue Virus-3 E protein
Technology Reference No.: 006770
Primary Inventor: Michael S. Diamond, MD & Daved H. Fremont, PhD
Target: Dengue Virus-3 E protein
Notes: 22 different hybridomas which produce antibodies that recognize different domains of Dengue virus type 3 E protein.
License this research tool.

Hybridomas against Dengue Virus Type 1
Technology Reference No.: 006803
Primary Inventor: Michael S. Diamond, MD & Daved H. Fremont, PhD
Target: Dengue Virus Type 1
Notes: DV1 Monoclonal Antibodies
License this research tool.

Anti-Hepatitis C Virus E2 Protein Monoclonal Antibodies
Technology Reference No.: 008820
Primary Inventor: Michael S. Diamond, MD
Target: Hepatitis C
Notes: Contact for more info.
License this research tool.
Novel Monoclonal Antibodies against Dengue Viruses (1,2,3, & 4) E Proteins
Technology Reference No.: 009276
Primary Inventor: Michael S. Diamond, MD
Target: Dengue Virus
Notes: Contact for more info.
[License this research tool.]

Chikungunya Monoclonal Antibodies
Technology Reference No.: 010020
Primary Inventor: Michael S. Diamond, MD & Daved H. Fremont, PhD
Target: Chikungunya Virus
Notes: Contact for more info.
[License this research tool.]

Monoclonal Antibodies to Enterococcus Faecalis Secreted Proteins
Technology Reference No.: 011162
Primary Inventor: Phillip I. Tarr, MD
Target: SalB (mAb 6H3)
Notes: Reduces inflammatory response.
[License this research tool.]

IgG Monoclonal Antibodies to Enterococcus Faecalis Gelatinase
Technology Reference No.: 011748
Primary Inventor: Phillip I. Tarr, MD
Target: GelE(mAb 8A3)
Notes: Reduces inflammatory response.
[License this research tool.]

Antibodies against Dengue Virus type 2 NS 1
Technology Reference No.: 013581
Primary Inventor: Michael S. Diamond, MD
Target: Dengue Virus
Notes: Includes hybridomas and monoclonal antibodies.
[License this research tool.]

Venezuelan Equine Encephalitis Virus (VEEV) Antibodies
Technology Reference No.: 015386
Primary Inventor: Michael S. Diamond, MD
Target: Venezuelan Equine Encephalitis Virus
Notes: Contact for more info.
[License this research tool.]

Anti-prM Monoclonal Antibody against all four Dengue Virus Serotypes
Technology Reference No.: 015814
Primary Inventor: Michael S. Diamond, MD
Target: Dengue Virus
Notes: PrM-12 and -22
[License this research tool.]
Monoclonal Antibodies against Zika Virus
Technology Reference No.: 016168
Primary Inventor: Michael S. Diamond, MD & Daved H. Fremont, PhD
Target: Zika Virus
Notes: Also includes Purified Zika E Protein (WT and Fusion Loop Mutant)

License this research tool.
CELL LINES

Chinese Hamster Ovary Cell Line Expressing Human Follicle-Stimulating Hormone (FSH)
Technology Reference No.: 012328
Primary Inventor: Irving Boime
Tangible Tool: Cell line for producing human FSH
Notes: Contact for more info.
License this research tool.

Chinese Hamster Ovary Cell Line Expressing Human Luteinizing Hormone (FSH)
Technology Reference No.: 012328
Primary Inventor: Irving Boime
Tangible Tool: Cell line for producing human LH
Notes: Contact for more info.
License this research tool.

Mouse Mammary Tumor Cell Lines deficient in STAT1
Technology Reference No.: 013289
Primary Inventor: Robert D. Schreiber, PhD
Tangible Tool: Murine cancer cell lines.
Notes: SSM1, SSM2, and SSM3 cell lines stablished from primary STAT1-/- mammary tumors.
License this research tool.

Fibroblast-Derived Cell Line Producing Wnt3a, R-spondin 3, & Noggin
Technology Reference No.: 014239
Primary Inventor: Thaddeus Stappenbeck
Tangible Tool: Growth factor over-expressing cell line.
Notes: Produces conditioned media to grow various mammalian tissue stem cells.
License this research tool.

PROTEINS

Recombinant Chikungunya Virus Soluble E2 Protein
Technology Reference No.: 014734
Primary Inventor: Daved H. Fremont, PhD
License this research tool.

Purified Zika E and NS-1 Proteins
Technology Reference No.: 016168
Primary Inventor: Michael S. Diamond, MD & Daved H. Fremont, PhD
License this research tool.
MOUSE MODELS

Achondroplasia (ACH) Mouse Model
Technology Reference No.: 000483
Primary Inventor: David Ornitz
Notes: Mouse model with the mutation for ACH knocked in.
License this research tool.

STAT 1 Knockout Mice
Technology Reference No.: 001007
Primary Inventor: Robert D. Schreiber, PhD
Notes: STAT1-/- knockout mouse with a 129S6 background
License this research tool.

Granulocyte-Colony Stimulating Factor Receptor (GCSF-R) Deficient Mice
Technology Reference No.: 003063
Primary Inventor: Daniel Link
Tangible Tool: Mouse model of neutropenia
Notes: GCSF-R controls the production of granulocytes and stem cells and the differentiation of neutrophils.
License this research tool.

Knockout Mouse lacking Expression of the Batf3 Gene
Technology Reference No.: 009136
Primary Inventor: Kenneth M. Murphy, MD
Notes: Batf3-/- knockout mouse with a 129SvEv background.
License this research tool.

Niemann Pick Type C (NPC) Mouse Model
Technology Reference No.: 012764
Primary Inventor: Daniel Ory
Notes: Mouse model with the mutation for NPC knocked in.
License this research tool.

Chemokine C-X-C Motif Ligand 12 (Cxcl2)-Floxed Mice
Technology Reference No.: 013606
Primary Inventor: Daniel Link
Notes: Mouse model with Cxcl2 floxed that is useful for studying the role of Cxcl12 in various cell types.
License this research tool.

B6.129.Btla tm1kmm/J Mouse
Technology Reference No.: 014100
Primary Inventor: Kenneth M. Murphy, MD
License this research tool.

C1-Inhibitor mu/mu Mice
Technology Reference No.: 015496
Primary Inventor: Michael S. Diamond, MD
License this research tool.