

Mouse Monoclonal Antibody to Human CD112 / Nectin-2 / PVRL2



Catalog Number: 10005-MM11

General Information	
Immunogen:	Recombinant Human CD112 / Nectin-2 / PVRL2 protein (Catalog#10005-H08H)
Specificity:	Human CD112 / Nectin-2 / PVRL2
Clone ID:	6C10E5G9
Ig Type:	
Applications:	Flow Cytometry, WB
Concentration:	5 µl/Test, 0.2 mg/ml
Formulation:	0.2 µm filtered solution in PBS with 5% trehalose
Storage:	< -20° C

Preparation

This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human CD112 / Nectin-2 / PVRL2 (rh CD112 / Nectin-2 / PVRL2; Catalog#10005-H08H; Met 1-Leu 360; NP_002847.1). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.

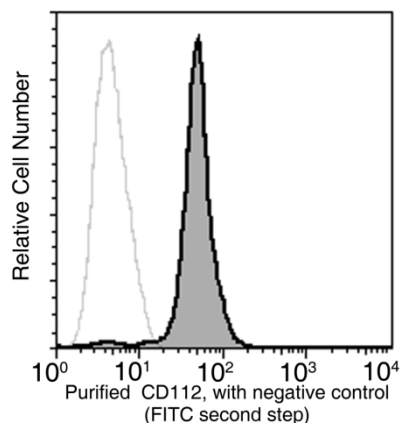
Storage

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -70°C. **Preservative-Free.**

Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. **Avoid repeated freeze-thaw cycles.**

Applications

Flow Cytometry – A549 cells were detached using 1X trypsin, washed, then stained with 1 µg purified mouse anti-CD112. Second step staining with goat anti-mouse IgG FC polyclonal antibody.



Flow cytometric analysis of anti-CD112 on A549 cells.

Flow cytometry was performed on a BD FACSCalibur flow cytometry system.

Please refer to www.sinobiological.com/Flow-Cytometry-FACS-Protocols-a-750.html for technical protocols.

Western blot – This antibody can be used at 1-2 µg/mL with the appropriate secondary reagents to detect Human CD112 in WB.

Specificity

Human CD112 / Nectin-2 / PVRL2

Mouse/Rabbit Monoclonal Antibody to Human CD112 / Nectin-2 / PVRL2



Sino Biological Inc.
Biological Solution Specialist

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Background

CD112, also known as poliovirus receptor related 2 (PRR2), is a single-pass type I transmembrane glycoprotein belonging to the Immunoglobulin superfamily, and structurally comprises two Ig-like C2-type domains and one Ig-like V-type domain in the extracellular region. As a homophilic adhesion molecule, CD112 is widely expressed in human tissues including hematopoietic cells and mediates intercellular junctions of adjacent cells. This protein also serves as an entry for certain mutant strains of herpes simplex virus and pseudorabies virus, and thus is involved in cell to cell spreading of these viruses. CD112 has been identified as the ligand for DNAM-1 (CD226), and the interaction of CD226/CD112 can induce NK cell- and CD8+ T cell-mediated cytotoxicity and cytokine secretion. CD112 has been regarded as a critical component in allergic reactions, and accordingly may function as a novel target for anti-allergic therapy.

Reference

1. Lopez, M. et al., 1998, Blood. 92: 4602-4611.
2. Cocchi F, et al., 2000, J. Virol. 74: 3909-3917.
3. Peng, Y.F. et al., 2002, Oncogene. 21: 4108-4119.
4. Tahara-Hanaoka, S. et al., 2005, Biochem Biophys Res Commun.
5. Bachelet, I. et al., 2006, J. Biol. Chem. 281: 27190-27196.