

Anti-Human CD112 / Nectin-2 / PVRL2 Antibody (FITC)



Sino Biological Inc.
Biological Solution Specialist

Catalog Number: 10005-MM11-F

General Information	
Immunogen:	Recombinant Human CD112 / Nectin-2 / PVRL2 protein (Catalog#10005-H08H)
Reagents:	FITC-conjugated mouse monoclonal antibody
Specificity:	Human CD112 / Nectin-2 / PVRL2
Clone ID:	6C10E5G9
Ig Type:	
Applications:	Flow Cytometry, WB
Concentration:	5 µl/Test, 0.2 mg/ml
Formulation:	Aqueous solution containing 0.5% BSA and 0.1% sodium azide
Storage:	2 °C - 8 °C in the dark

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) and conjugated with FITC under optimum conditions, the unreacted FITC was removed.

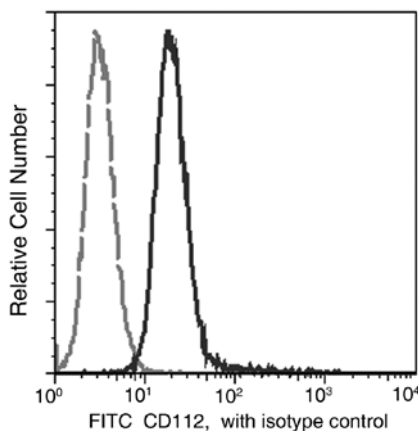
Storage

This antibody is stable for 12 months from date of receipt when stored at 2°C - 8°C. Protected from prolonged exposure to light. **Do not freeze !**

Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal

Applications

Flow Cytometry – Flow cytometric analysis of anti-CD112 reactivity.



Profile of anti-CD112 reactivity on HeLa cells analyzed by flow cytometry.

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

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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.