

Product Data Sheet

Purified anti-human CD112 (Nectin-2)

Catalog # / Size: 337402 / 100 µg

Clone: TX31

Isotype: Mouse IgG1, κ

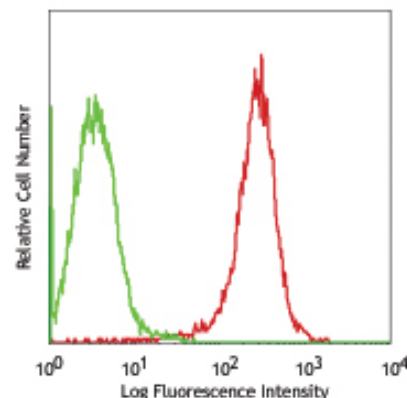
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



KG1a (human myeloid leukemia cell line) stained with purified TX31, followed by biotinylated anti-mouse IgG and Sav-PE

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications include: partially block CD226-Fc binding to CD112 transfectant and partially inhibit the cytotoxicity mediated by NK and T cells.

Application References: 1. Tahara-Hanaoka S, *et al.* 2004. *Int. Immunol.* 16:533.
2. Stanitsky N, *et al.* 2009. *Proc Natl Acad Sci USA.* 106:17858. PubMed

Description: CD112, known as poliovirus receptor related 2 protein (PRR2), Nectin-2, or Hve B, is a type I transmembrane glycoprotein, a member of the Ig gene superfamily. It is primarily found on myelomonocytic cells, megakaryocytes, dendritic cells, mast cells, CD34-positive stem cells, endothelial cells, epithelial cells, and neuronal cells. CD112 functions as a receptor for α-herpes viruses HSV-1 and pseudorabies virus (PRV). CD112 is an adhesion molecule involved in the formation of cell junction and regulation of NK- and T-cells mediated cytotoxicity through interaction with CD226 (DNAM-1) and other nectin family molecules.

Antigen References: 1. Zola H *et al.* Eds. 2007. *Leukocyte and Stromal Cell Molecules: The CD Markers*. Wiley-Liss A John Wiley & Sons Inc, Publication
2. Bachelet I, *et al.* 2006. *J. Bio. Chem.* 281:27190
3. Pende D, *et al.* 2006. *Blood* 107:2030
4. Bottino C, *et al.* 2003. *J. Exp. Med.* 198:557

Related Products: **Product**
Purified Mouse IgG1, κ Isotype Ctrl
Cell Staining Buffer
RBC Lysis Buffer (10X)

Clone
MG1-45

Application
FC, ICC, ICFC, IF, IHC, IP, WB
FC, ICC, ICFC
FC, ICFC



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