

Product Data Sheet

PE anti-human CD112 (Nectin-2)

Catalog # / Size: 337409 / 25 tests
337410 / 100 tests

Clone: TX31

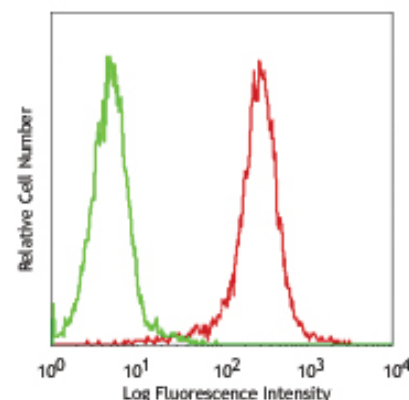
Isotype: Mouse IgG1, κ

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



KG1a (human myeloid leukemia cell line) stained with TX31 PE

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

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. Lim O, *et al.* 2013. *PLoS One.* 8:e53611. 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**
PE Mouse IgG1, κ Isotype Ctrl (FC)
Cell Staining Buffer
RBC Lysis Buffer (10X)
Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone
MOPC-21

Application
FC
FC, ICC, ICFC
FC, ICFC
FC, ICC, ICFC



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