

Technical Data Sheet

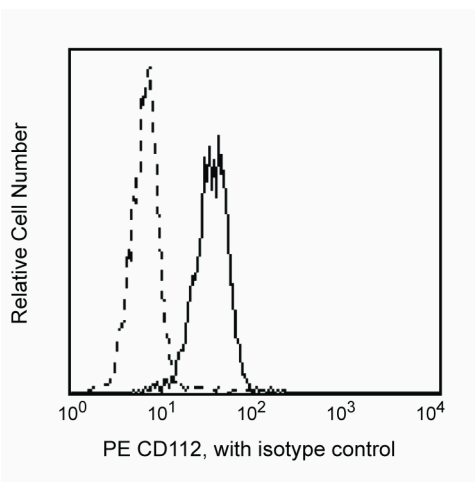
PE Mouse Anti-Human CD112

Product Information

Material Number:	551057
Alternate Name:	PRR2
Size:	100 tests
Vol. per Test:	20 µl
Clone:	R2.525
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	NA
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Reacts with the poliovirus receptor 2 (PRR2) protein. PRR2 is a cell surface molecule homologous to the poliovirus receptor (PVR/CD155). It is a transmembrane glycoprotein belonging to the immunoglobulin superfamily. The PRR2 gene encodes for two mRNA isoforms, a short form of 3.0 kb (hPRR2α) and a long form of 4.4 kb (hPRR2δ). Both are widely expressed in human tissues, including hematopoietic cells. PRR2 is also expressed on endothelial cells, at the intercellular junctions of adjacent cells. It has been suggested that PRR2 may play a role in the regulation of hematopoietic/endothelial cell interaction.



Profile of HL-60 cell line analyzed by flow cytometry

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed. Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
555749	PE Mouse IgG1, κ Isotype Control	100 tests	MOPC-21

Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1×10^6 cells in a 100-µl experimental sample (a test).
2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.

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5. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
6. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

- Eberle F, Dubreuil P, Mattei MG, Devillard E, Lopez M. The human PRR2 gene, related to the human poliovirus receptor gene (PVR), is the true homolog of the murine MPH gene. *Gene*. 1995; 159(2):267-272. (Biology)
- Lopez M, Aoubala M, Jordier F, Isnardon D, Gomez S, Dubreuil P. The human poliovirus receptor related 2 protein is a new hematopoietic/endothelial homophilic adhesion molecule. *Blood*. 1998; 92(12):4602-4611. (Biology)