

## Technical Data Sheet

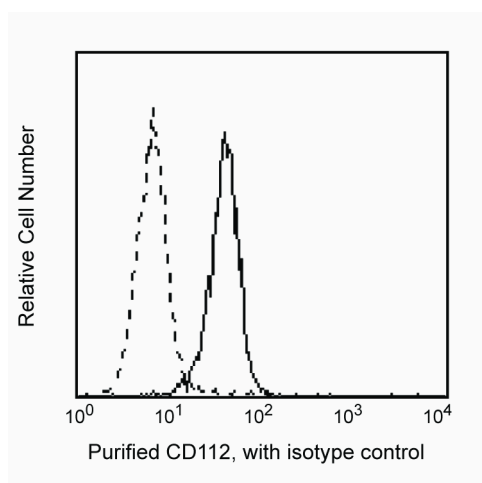
**Purified Mouse Anti-Human CD112****Product Information**

|                         |  |
|-------------------------|--|
| <b>Material Number:</b> | 551056   |
| <b>Alternate Name:</b>  | PRR2   |
| <b>Size:</b>            | 0.1 mg   |
| <b>Concentration:</b>   | 0.5 mg/ml  |
| <b>Clone:</b>           | R2.525   |
| <b>Isotype:</b>         | Mouse IgG1, $\kappa$   |
| <b>Reactivity:</b>      | QC Testing: Human  |
| <b>Workshop:</b>        | NA   |
| <b>Storage Buffer:</b>  | Aqueous buffered solution containing $\leq 0.09\%$ 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 (hPRR2 $\alpha$ ) and a long form of 4.4 kb (hPRR2 $\delta$ ). 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.

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.



*Profile of HL-60 cell line analyzed by flow cytometry.  
Second step staining with Cat. No. 555988.*

**Preparation and Storage**

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.  
Store undiluted at 4° C.

**Application Notes****Application**

|                |                  |
|----------------|------------------|
| Flow cytometry | Routinely Tested |
|----------------|------------------|

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## Suggested Companion Products

| Catalog Number | Name  | Size   | Clone      |
|----------------|---|--------|------------|
| 555746         | Purified Mouse IgG1, $\kappa$ Isotype Control | 0.1 mg | MOPC-21    |
| 555988         | FITC Goat Anti-Mouse IgG/IgM                  | 0.5 mg | Polyclonal |

## Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to [www.bdbiosciences.com/pharmlingen/protocols](http://www.bdbiosciences.com/pharmlingen/protocols) for technical protocols.
3. 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.

## 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)