

LILRB1 / ILT-2 / CD85j Antibody

Mouse Monoclonal Antibody [Clone VMP55]

| Catalog No | Format | Size |
|------------------|---|--------|
| 10859-MSM1-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 10859-MSM1-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 10859-MSM1-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

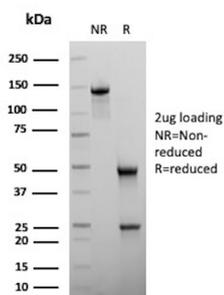
| Applications | Tested Dillution | Note |
|-------------------------|---------------------|------|
| Flow Cytometry (Flow) | 1-2ug/million cells | |
| Immunofluorescence (IF) | 1-3ug/ml | |
| Western Blot (WB) | 2-4ug/ml | |

Product Details

| | |
|-------------------------------|----------------------------------|
| Clone | VMP55 |
| Gene Name | LILRB1 |
| Immunogen | Hairy cell leukemia cells |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype / Light Chain | IgG1 / Kappa |
| Mol. Weight of Antigen | 110/90kDa |
| Cellular Localization | Cell membrane, Secreted |
| Species Reactivity | Human, Mouse, Rat |
| Positive Control | IB4 or K-562 cells. Human PBMCs. |

*Optimal dilution for a specific application should be determined.

Product Images for LILRB1 / ILT-2 / CD85j Antibody



SDS-PAGE Analysis of Purified Leukocyte immunoglobulin-like receptor subfamily B member 1 Mouse Monoclonal Antibody (VMP55). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

Leukocyte immunoglobulin-like receptors (LIRs) are members of the immunoglobulin superfamily of glycoproteins and are predominantly expressed by monocytes, B cells, dendritic cells, natural killer (NK) cells, peripheral blood leukocytes and tissues such as placenta, lung and liver. Immunoglobulin-like transcript 2 (ILT-2), also known as CD85 or MIR7, is a 650 amino acid glycoprotein that contains a 23 amino acid signal peptide, 4 extracellular C2-type IGSF domains and 4 intracellular ITIM motifs. ILT-2 can bind major histocompatibility (MHC) class I molecules and inhibit cell termination by natural killer (NK) and T cells, and inhibit Ca²⁺ mobilization in myeloid cells triggered through the B cell antigen receptor and histocompatibility leukocyte antigens (HLA)-DR. ILT-2 contains four putative cytoplasmic tyrosine-based inhibitory motifs and upon tyrosine phosphorylation, associates with the tyrosine phosphatase SHP-1.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Immunology
