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

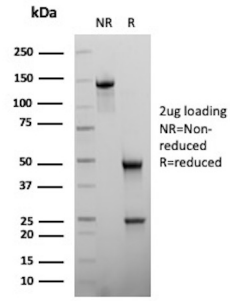
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

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 histocompatability (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.

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

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.