

Anti-LILRB1/CD85j/ILT2 Antibody (5D841)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5D841
Purification:	Protein A

Applications

Verified Activity:	Flow cytometric analysis of Human LILRB1(CD85j) expression on human whole blood monocytes. Cells were stained with purified anti-Human LILRB1(CD85j), then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of viable monocytes.
Application:	FCM
Recommended	FCM: 1:25-1:100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human CD85 / ILT2 / ILR1 / LILRB1 Protein (TMPY-03995)
Antigen Species:	Human
Synonyms:	MIR7;LIR-1;leukocyte immunoglobulin like receptor B1;CD85j;LIR1;ILT2;ILT-2;XXbac-BCX85G21.4;MIR-7
Biology Area:	ITIM/ITAM Immunoreceptors and Related Molecules

Research Background

LILRB1 (Leukocyte Immunoglobulin Like Receptor B1) is a Protein Coding gene. The encoded protein belongs to the subfamily B class of LIR receptors which contain two or four extracellular immunoglobulin domains, a transmembrane domain, and two to four cytoplasmic immunoreceptor tyrosine-based inhibitory motifs (ITIMs). LILRB1 is encoded within the leukocyte receptor complex on 19q13.4, previously implicated to be a susceptibility region to systemic lupus erythematosus (SLE). LILRB1 binds to a wide range of Major Histocompatibility Complex Class I molecules (MHCIs) and transduces negative signals that can, for example, prevent the killing of MHC1-expressing cells. LILRB1 transcription is correlated with surface protein expression on NK cells. Diseases associated with LILRB1 include Alzheimer's Disease 12 and Severe Pre-Eclampsia.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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