SONY

Product Data Sheet

PerCP/Cyanine5.5 anti-human CD85j (ILT2)

Catalog # / Size: 2268565 / 25 tests
2268570 / 100 tests

Clone: GHI/75

Isotype: Mouse IgG2b, κ

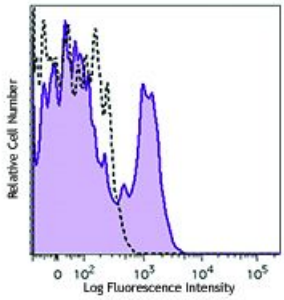
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with PerCP/Cy5.5 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).

Workshop Number: V B032

Concentration: Lot-specific



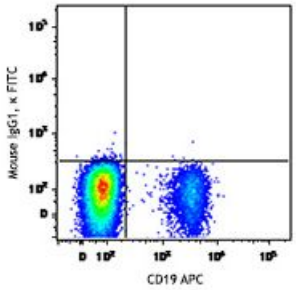
Human peripheral blood lymphocytes were stained with CD85j (clone GHI/75) PerCP/Cy5.5 (filled histogram) or mouse IgG2b, κPerCP/Cy5.5 isotype control (open histogram).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* PerCP/Cy5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.



Application Notes: Additional reported application: Block HLA-G induced TGF-β1 production.

Application References:

1. Pulford K, *et al.* 1991. *Clin. Exp. Immunol.* 85:429
2. McIntire RH, *et al.* 2004. *J. Leukoc. Biol.* 76:1220

Description: CD85 is a group of Ig superfamily tansmembrane glycoproteins called Ig-Like Transcripts (ILTs) or Leukocyte Immunoglobulin-like Receptors (LIRs). CD85j is the 110kD member, known as ILT2, LIR1, or LILRB1, and MIR7. ILT2 structurally has four Ig domains and contains ITIMs in its cytoplasmic tail that provide inhibitory signals by recruiting SHP-1. ILT2 is found on the surface of B cells, plasma cells, dendritic cells, monocytes, subsets of NK and T cells. The ligands of ILT2 include a broad range of HLA-A, -B molecules, some HLA-C and HLA-G molecules, and the human cytomegalovirus UL18 protein.

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Antigen References:
1. Zola H, *et al.* 2007. Leukocyte and Stromal Cell Molecules:The CD Markers Wiley-Liss A John Wiley & Sons Inc, Publication
2. Kirwan SE and Burshtyn DN. 2005. *J. Immunol.* 175:5006

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