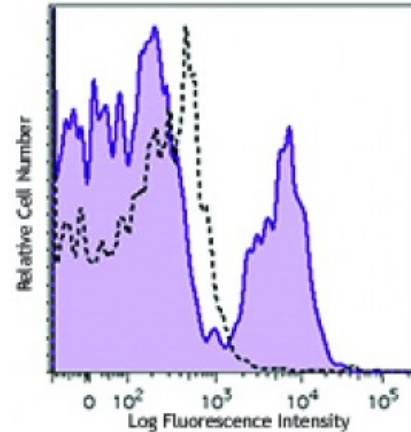


PE/Cy7 anti-human CD85j (ILT2)

Catalog # / Size:	2268560 / 100 tests 2268555 / 25 tests
Clone:	GHI/75
Isotype:	Mouse IgG2b, κ
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Workshop Number:	V B032
Concentration:	Lot-specific



Human peripheral blood lymphocytes were stained with CD85j (clone GHI/75) PE/Cy7 (filled histogram) or mouse IgG2b, κ PE/Cy7 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 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported application: Block HLA-G induced TGF- β 1 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 transmembrane 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.

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