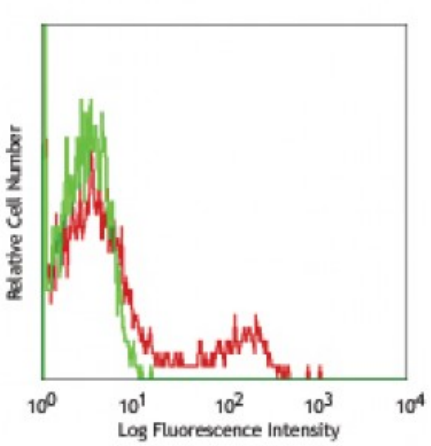
SONY

Product Data Sheet

PE anti-human CD85j (ILT2)

Catalog # / Size:	2268535 / 25 tests 2268540 / 100 tests
Clone:	GHI/75
Isotype:	Mouse IgG2b, κ
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE 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 stained with GHI/75 PE

Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 microL to 5 microL per test**. Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or 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-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.
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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