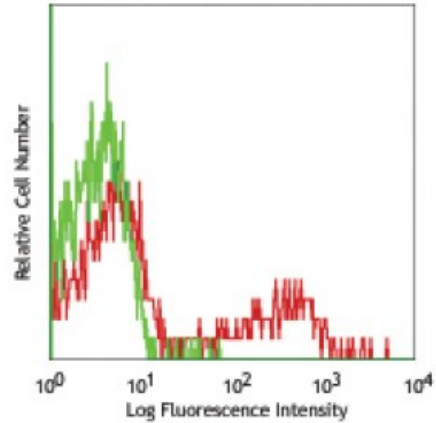


Biotin anti-human CD85j (ILT2)

Catalog # / Size: 2268530 / 100 µg
Clone: GHI/75
Isotype: Mouse IgG2b, κ
Reactivity: Human
Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Workshop Number: V B032
Concentration: 0.5



Human peripheral blood lymphocytes stained with biotinylated GHI/75, followed by Sav-PE

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 ≤2.0 microg per million cells in 100 microL volume. 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 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