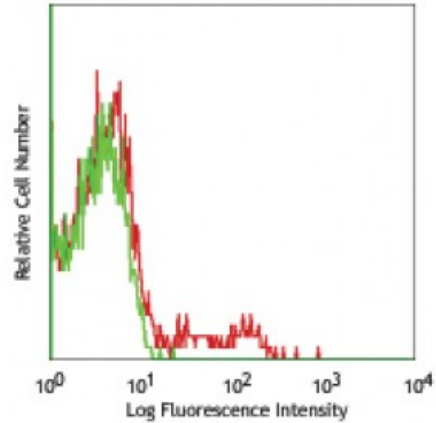


**Alexa Fluor® 647 anti-human CD85j (ILT2)**

**Catalog # / Size:** 2268545 / 25 tests  
**Clone:** GHI/75  
**Isotype:** Mouse IgG2b, κ  
**Reactivity:** Human  
**Preparation:** The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions.  
**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 Alexa Fluor® 647

**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.  
 \* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633nm / 635nm.  
**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