

# APC/Fire™ 750 anti-human CD85j (ILT2)

**Catalog # /** 2268590 / 100 tests  
**Size:** 2268585 / 25 tests

**Clone:** GHI/75

**Isotype:** Mouse IgG2b, κ

**Immunogen:** NKp46-Fc fusion protein

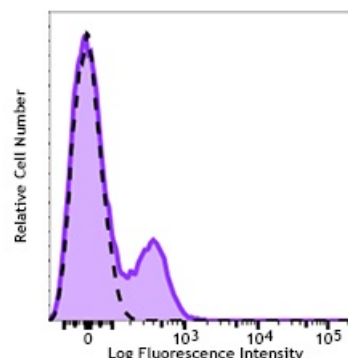
**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 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 were stained with CD85j (clone GHI/75) APC/Fire™ 750 (filled histogram) or mouse IgG2b, κ APC/Fire™ 750 isotype control (open histogram).

## Applications:

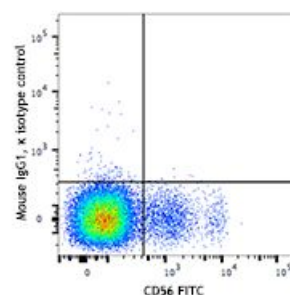
**Applications:** Flow Cytometry

**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 in 100 µl staining volume or 5 µl per 100 µl of whole blood.

\* APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 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 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** 1. Zola H, *et al.* 2007. Leukocyte and Stromal Cell Molecules: The CD  
**References:** Markers Wiley-Liss A John Wiley & Sons Inc, Publication  
2. Kirwan SE and Burshtyn DN. 2005. *J. Immunol.* 175:5006