

## Purified anti-human CD85a (ILT5)

**Catalog # / Size:** 337702 / 100 µg

**Clone:** MKT5.1

**Isotype:** Rat IgG2a, κ

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.5 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C.

## Applications:

**Applications:** FC - *Quality tested*

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤2.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Description:** CD85 is a group of Ig superfamily transmembrane glycoproteins called Ig-Like Transcripts (ILTs) or Leukocyte Immunoglobulin-like Receptors (LIRs). CD85a is the 110kD member, known as ILT5, LIR-3, or HL9. ILT5 structurally has four extracellular Ig domains and 4 ITIMs in its cytoplasmic tail that provide inhibitory signals. ILT5 is found on the surface of Monocytes/macrophages, granulocytes, NK cells and T-cell subset. ILT5 provides inhibitory signals through interaction with MHC class I molecules.

**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. Sloane DE, *et al.* 2004. *Blood* 104:2832
3. Colonna M, *et al.* 1998. *J. Immunol.* 160:3096

**Related Products:**

**Product**  
Purified Rat IgG2a, κ Isotype Ctrl  
Cell Staining Buffer  
RBC Lysis Buffer (10X)

**Clone**  
RTK2758

**Application**  
FC, ICC, IF, IHC, IP, WB  
FC, ICC, ICFC  
FC, ICFC



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