APC anti-human CD85a (ILT5)

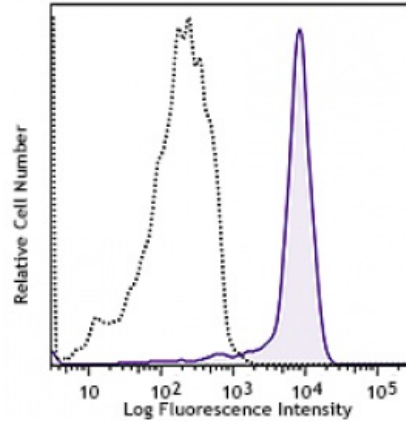|	
Catalog # / Size:	2288540 / 100 tests 2288535 / 25 tests
Clone:	MKT5.1
Isotype:	Rat IgG2a, κ
Reactivity:	Human,Non-human primate
Preparation:	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Concentration:	Lot-specific

Human peripheral blood monocytes were stained with MKT5.1 APC (filled histogram) or rat IgG2a, ÃŽÂº APC 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 or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Application 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

Description:	CD85 is a group of Ig superfamily tansmembrane 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