

# **Human LILRA3/CD85e Antibody**

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF2574

DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human LILRA3/CD85e in direct ELISAs. In direct ELISAs, approximately 30% cross-reactivity with recombinant human (rh) ILT2, rhILT4, ILT5 is observed, and less than 5% cross-reactivity with rhLIR5 and rhLIR7 is observed.		
Source	Polyclonal Goat IgG		
Purification	Antigen Affinity-purified		
Immunogen	Mouse myeloma cell line NS0-derived recombinant human LILRA3/CD85e Arg18-Glu439 Accession # Q8N6C8		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.		

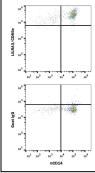
#### APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	0.25 µg/10 <sup>6</sup> cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

#### DATA

## Intracellular Staining by Flow Cytometry



Detection of LILRA3/CD85e in Human Blood Monocytes by Flow Cytometry. Human peripheral blood monoctyes were stained with Mouse Anti-Human CD14 APC-conjugated Monoclonal Antibody (Catalog # FAB3832A) and either (A) Goat Anti-Human LILRA3/CD85e Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2574) or (B) Normal Goat IgG Control (Catalog # AB-108-C) followed by Phycoerythrin-conjugated Anti-Goat IgG Secondary Antibody (Catalog # F0107). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). View our protocol for Staining Intracellular Molecules.

PREPARATION AND STORAGE		
Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.	
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C	
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.  12 months from date of receipt, -20 to -70 °C as supplied.  1 month, 2 to 8 °C under sterile conditions after reconstitution.  6 months, -20 to -70 °C under sterile conditions after reconstitution.	

### BACKGROUND

Human LIR-4 (Leukocyte Ig-like receptor #4; also ILT6 and LILRA3) is an Ig superfamily member that belongs to the leukocyte receptor complex/cluster. Mature LIR-4 is 416 amino acids in length and contains four C2-type Ig-like domains. Unlike other LIR family members, LIR-4 is actively secreted. At least one alternate splice form is known which shows a 64 amino acid deletion in the C-terminal half of the second Ig-like domain. Multiple alleles exist in human, and 5-10% of the population have a defective gene which produces no LIR-4 product. Rodent LIR-4 has not been reported.

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