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 as a 0.2 µm filtered solution in PBS.

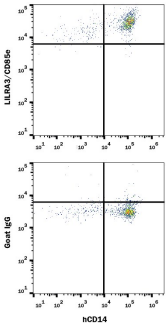
APPLICATIONS

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/10^6 cells	See Below

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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