

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LILRA1/CD85i/LIR-6 in direct ELISAs. In direct ELISAs, no cross-reactivity with human LILRA2, LILRA3, LILRA4, LILRA5, LILRA6, LILRB2 and LILRB3 was observed.
Source	Monoclonal Mouse IgG ₁ Clone # 586439
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line, NS0-derived human LILRA1/CD85i/LIR-6 Pro17-Asn461 Accession # O75019
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.

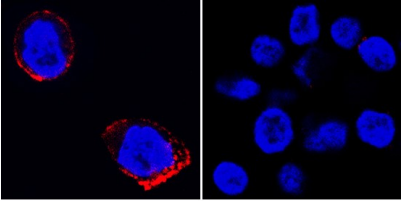
APPLICATIONS

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
Immunocytochemistry	8-25 µg/mL	See Below

DATA

Immunocytochemistry



THP-1
Human PBMC

LILRA1/CD85i/LIR-6 in THP-1 Human Cell Line and PBMCs. LILRA1/CD85i/LIR-6 was detected in immersion fixed THP-1 human acute monocytic leukemia cell line (left panel, positive stain) and human peripheral blood mononuclear cells (PBMCs; right panel, negative stain) using Mouse Anti-Human LILRA1/CD85i/LIR-6 Monoclonal Antibody (Catalog # MAB30852) at 8 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NLO07) and counterstained with DAPI (blue). Specific staining was localized to cell surfaces. View our protocol for [Fluorescent ICC Staining of Non-adherent Cells](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 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. <ul style="list-style-type: none"> • 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

Leukocyte Immunoglobulin-like Receptor 6 (LIR-6), also called LILRA1 or CD85i, is a glycoprotein member of the LIR family of leukocyte Ig-like receptors. As an activating LIR, LIR-6 has a short cytoplasmic tail and a charged aa within the TM domain which interacts with FcγR. Both four (LIR-6a) and two (LIR-6b) Ig-like domain forms are expressed by monocytes and B cells. Human LIR-6 has no non-primate ortholog, but shows up to 80% aa identity with human ILT-1c and KIR-p91/PIR-B. A mouse homolog, gp49B2, has structural similarity but limited sequence identity.