

DESCRIPTION

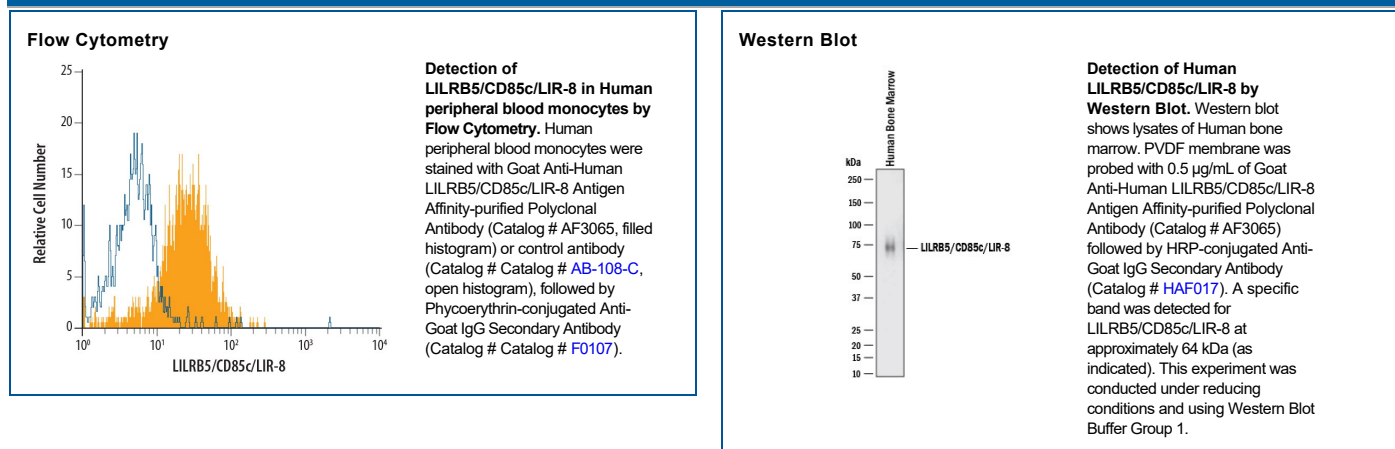
Species Reactivity	Human
Specificity	Detects human LILRB5/CD85c/LIR-8 in direct ELISAs and Western blots. In direct ELISAs, approximately 20% cross-reactivity with recombinant human (rh) LILRA4/ILT7 is observed and less than 15% cross-reactivity with rhILT3 and rhILT5 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human LILRB5/CD85c/LIR-8 Arg18-His456 Accession # O75023
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
Western Blot	0.1-0.5 µg/mL	Recombinant Human LILRB5/CD85c/LIR-8, human bone marrow
Flow Cytometry	2.5 µg/10 ⁶ 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



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. <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

Human LIR-8 (also known as CD85c and LILRB5) is a 587 amino acid transmembrane protein of the family of Leukocyte Immunoglobulin-like Receptors. LIR-8 has a long N-terminus extracellular domain with four C2-type Ig-like domains, and a short cytoplasmic tail with two immunoreceptor tyrosine-based inhibitory motifs (ITIMs) typically involved in modulation of cellular responses. Human LIR-8 is expressed in natural killer (NK) cells. There are at least two other known isoforms, one with 53 aa longer cytoplasmic domain, the other with a 100 aa deletion affecting one of the Ig-like extracellular domains.