

DESCRIPTION

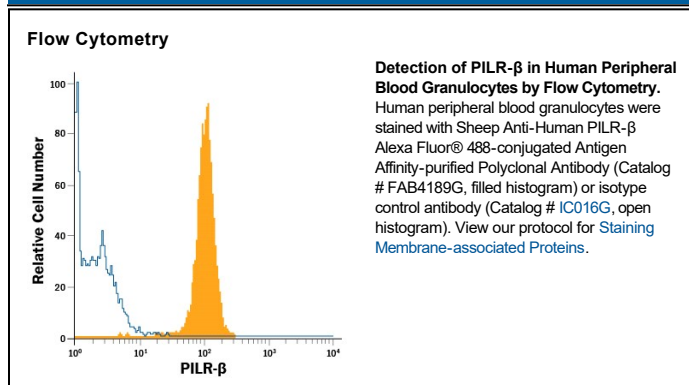
| | |
|---------------------------|--|
| Species Reactivity | Human |
| Specificity | Detects recombinant human PILR- β in direct ELISAs and Western blots. In Western blots, approximately 10% cross reactivity with recombinant human PILR- α is observed and less than 5% cross-reactivity with recombinant mouse (rm) PILR- β , rmPILR- α , and rmPILR-L is observed. |
| Source | Polyclonal Sheep IgG |
| Purification | Antigen Affinity-purified |
| Immunogen | Mouse myeloma cell line NS0-derived recombinant human PILR- β isoform 1 Gln20-Ala189 Accession # Q9UKJ0 |
| Conjugate | Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm |
| Formulation | Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

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 |
|-----------------------|----------------------------------|---------------|
| Flow Cytometry | 5 μ L/10 ⁶ cells | See Below |

DATA



PREPARATION AND STORAGE

| | |
|--------------------------------|---|
| Shipping | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| Stability & Storage | Protect from light. Do not freeze. ● 12 months from date of receipt, 2 to 8 °C as supplied. |

BACKGROUND

Paired immunoglobulin-like, type 2 receptor beta (PILR- β) is a type I transmembrane (TM) glycoprotein belonging to the Ig superfamily. It is the activating counterpart to the ITIM-bearing PILR- α inhibitory receptor. PILR- β is expressed in a wide variety of hematopoietic cells, including NK cells, macrophages, dendritic cells and neutrophils. Mature human PILR- β is a 208 amino acid (aa) protein with one V-type Ig-like extracellular domain, a truncated cytoplasmic tail, and a positively-charged residues in its TM domain that interacts with ITAM-bearing adaptor molecules. Over aa 20-189, in their ECD, human PILR- β and PILR- α share 82% aa sequence identity. The aa sequence of mouse PILR- β ECD is only 43% identical to that of human PILR- β ECD.

PRODUCT SPECIFIC NOTICES

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