

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                      |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                |
| <b>Specificity</b>        | 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. |
| <b>Source</b>             | Polyclonal Goat IgG                                                                                                                                                                                                                                  |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                            |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant human LILRB5/CD85c/LIR-8 Arg18-His456<br>Accession # O75023                                                                                                                                          |
| <b>Conjugate</b>          | Alexa Fluor 405<br>Excitation Wavelength: 405 nm<br>Emission Wavelength: 421 nm                                                                                                                                                                      |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide                                                                                                                                                                                         |
|                           | *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.

|                       |                                                                        |
|-----------------------|------------------------------------------------------------------------|
| <b>CyTOF-ready</b>    | Optimal dilution of this antibody should be experimentally determined. |
| <b>Western Blot</b>   | Optimal dilution of this antibody should be experimentally determined. |
| <b>Flow Cytometry</b> | Optimal dilution of this antibody should be experimentally determined. |

#### PREPARATION AND STORAGE

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

#### 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.

#### PRODUCT SPECIFIC NOTICES

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