

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Rat                                                                                                                                                                                                                                                                         |
| <b>Specificity</b>        | Detects rat LILRC2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 20% cross-reactivity with recombinant rat LILRC1 is observed.                                                                                                      |
| <b>Source</b>             | Polyclonal Sheep IgG                                                                                                                                                                                                                                                        |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant rat LILRC2<br>Gly24-Asn230<br>Accession # AAY44812                                                                                                                                                                          |
| <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<br><br>*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.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

## 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

LILRC2 (leukocyte immunoglobulin-like receptor C2) is a 35 kDa member of a family of inhibitory and stimulatory receptors (LILRs) that are expressed on hematopoietic cells. Mature rat LILRC2 is a type I transmembrane (TM) protein that is 241 amino acids (aa) in length. It contains a 207 aa extracellular domain (ECD), a 19 aa TM segment, and a short cytoplasmic tail. The ECD contains two Ig-like domains while the TM segment possesses an Arg residue. This suggests that LILRC2 is an activating receptor that may interact with FcεRIγ and/or CD3ζ. Cells expressing LILRC2 include neutrophils, B cells, and CD4<sup>+</sup> and CD8<sup>+</sup> T cells. No human or mouse LILRC2 is known.

## PRODUCT SPECIFIC NOTICES

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