

DESCRIPTION

Species Reactivity	Rat
Specificity	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.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant rat LILRC2 Gly24-Asn230 Accession # AAY44812
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	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.

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⁺ and CD8⁺ T cells. No human or mouse LILRC2 is known.

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