

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
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 µg/mL	Recombinant Rat LILRC2

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

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 FcεR1y and/or CD3ζ. Cells expressing LILRC2 include neutrophils, B cells, and CD4⁺ and CD8⁺ T cells. No human or mouse LILRC2 is known.