

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse LILRC1 in direct ELISAs and Western blots. In direct ELISAs, approximately 30% cross-reactivity with recombinant rat (rr) LILRC1 is observed and approximately 15% cross-reactivity with rrLILRC2 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse LILRC1 Gln17-Asn248 Accession # AAY44811
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 Mouse LILRC1

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

LILRC1 (leukocyte immunoglobulin-like receptor C1) is a 36 kDa member of the LILR family. Mature mouse LILRC1 is a 279 amino acid (aa) type I transmembrane protein. It contains two Ig-like domains (aa 17-220) and a 28 aa cytoplasmic tail. The transmembrane region contains an Arg at position # 251, suggesting this receptor interacts with activating adaptor proteins. LILRC1 is found on B cells, neutrophils and macrophages. Over aa 17-248, mouse LILRC1 shares 84% sequence identity with rat LILRC1.