R&D SYSTEMS
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Mouse PGLYRP2/PGRP-L Alexa Fluor® 647-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 439728
Catalog Number: IC4704R
100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse PGLYRP2/PGRP-L in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant mouse (rm) PGRP-S and rmPGRP-1β is observed.
Source	Monoclonal Rat IgG_{2A} Clone # 439728
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse PGLYRP2/PGRP-L Ser23-Asn530 Accession # Q8VCS0
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.*

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	0.25-1 µg/10^6 cells	Mouse liver single-cell suspension fixed with paraformaldehyde and permeabilized with saponin

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

PGRP-L (peptidoglycan recognition protein-long; also called PGRP-2 or TagL) is a 530 amino acid (aa) member of the PGRP family that is expressed in the liver. All mouse PGRPs bind peptidoglycan and Gram-positive bacteria, and may function as innate immunity pattern recognition molecules. PGRP-L is a Zn^{2+}-dependent N-acetylmuramoyl-L-alanine amidase that hydrolyzes cell wall glycopeptides. It contains two membrane-spanning segments, with both termini thought to be extracellular, but is also reported in serum. A truncated 450 aa isoform has been reported. Overall aa identity between mouse and human PGRP-L is 68%.

PRODUCT SPECIFIC NOTICES

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