

#### DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	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.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 439728
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse PGLYRP2/PGRP-L Ser23-Asn530 Accession # Q8VCS0
<b>Conjugate</b>	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
<b>Formulation</b>	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.

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

#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### 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<sup>2+</sup>-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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