

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects human PGLYRP4/PGRP-I $\beta$ in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 50% cross-reactivity with recombinant mouse PGRP-I $\beta$ is observed and 10% cross-reactivity with recombinant human PGRP-I $\beta$ .          |
| <b>Source</b>             | Polyclonal Goat IgG                                                                                                                                                                                                                                                         |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant human PGLYRP4/PGRP-I $\beta$<br>Asp18-Lys372<br>Accession # Q96LB8                                                                                                                                                          |
| <b>Conjugate</b>          | Alexa Fluor 750<br>Excitation Wavelength: 749 nm<br>Emission Wavelength: 775 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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

PGLYRP4/PGRP-I $\beta$  belongs to the family of human recognition molecules that bind peptidoglycan and gram-positive bacteria. It is a member of the N-acetylmuramoyl-L-alanine amidase #2 family. PGRP-I $\beta$  is primarily expressed in esophagus and has two predicted transmembrane domains and extracellular N- and C-termini. The amino acid sequence of human PGRP-I $\beta$  is 75% and 73% identical to that of mouse and rat PGRP-I $\beta$ , respectively.

#### PRODUCT SPECIFIC NOTICES

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