

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human PGLYRP4/PGRP-I β in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant mouse PGRP-I β or recombinant human PGRP-S is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 474034
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human PGLYRP4/PGRP-I β Asp18-His373 Accession # Q96LB8
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.
Immunoprecipitation	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

Peptidoglycan recognition protein intermediate β (PGRP-I β), also known as peptidoglycan recognition protein 4 (PGLRP4), belongs to the family of human recognition molecules that bind peptidoglycan (a ubiquitous component of bacterial cell walls) and gram-positive bacteria as part of the innate immune response. It has N-acetylmuramoyl-L-alanine amidase activity and is primarily expressed in the esophagus, where it is thought to play a role in host antimicrobial defense. PGRP-I β has two predicted transmembrane domains and extracellular N- and C-termini. The amino acid sequence of human PGRP-I β is 99% and 76% identical to that of chimpanzee and mouse.

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