

PGLYRP1/Pgrps elisa kit

Mouse PGLYRP1/Pgrps PicoKine ELISA Kit

CATALOG # AAA124873	REACTIVITY Mouse There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
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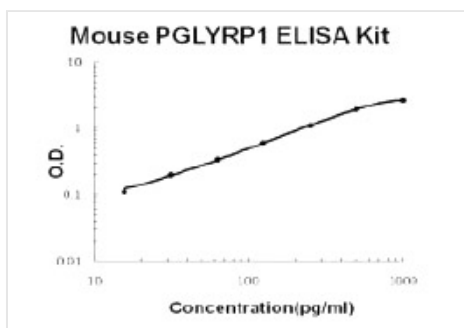
PRODUCT SYNONYMS

PGLYRP1/Pgrps; Mouse PGLYRP1/Pgrps PicoKine ELISA Kit; Peptidoglycan recognition protein 1; Cytokine tag7; Peptidoglycan recognition protein short; PGRP-S; Pglyrp1; Pglyrp; Pgrp; Pgrps; Tag7; PGLYRP1/Pgrps elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Mouse PGLYRP1/Pgrps
Sequence Length	182
Assay Type	Quantitative Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/ml
Applicable Applications for PGLYRP1/Pgrps elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGLYRP1/Pgrps elisa kit	Principle of the Assay: Mouse PGLYRP1/Pgrps ELISA Kit was based on standard sandwich enzyme-linked immune- sorbent assay technology. A monoclonal antibody from rat specific for PGLYRP1/Pgrps has been precoated onto 96-well plates. Standards(Expression system for standard: NSO, Immunogen sequence: F19-E182) and test samples are added to the wells, a biotinylated detection a biotinylated polyclonal antibody from goat specific for PGLYRP1/Pgrps is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Mouse PGLYRP1/Pgrps amount of sample captured in plate. Background: Peptidoglycan recognition protein 1, also known as TAG7, is a protein that in humans is encoded by the PGLYRP1 gene. The PGLYRP1 gene is highly expressed in bone marrow, circulating Polymorphonuclear leukocytes (PMLs), and in the corneal epithelium. The PGLYRP1 protein is primarily found in the granules of PMLs. The PGLYRP1 protein plays an important role in the innate immune response. It is bactericidal against gram-positive bacteria such as S. aureus, S. epidermidis, and L. monocytogenes and generally has proinflammatory effects, inducing TNF-a and IFN-g in many tissues. PGLYRP-1 is also known to form a cytotoxic complex with HSP-70, suggesting it may also have a role in anti-cancer defense. As a pathogen recognition protein with antimicrobial properties, PGLYRP-1 is suspected to play an important role in maintaining the gut microbial flora.
Product Categories/Family for PGLYRP1/Pgrps elisa kit	Cell Biology; Apoptosis; Receptors; Associated Proteins; Neuroscience; Neurology Process; circadian rhythm; Hormones; Microbiology; Protein; Human Protein; Defensin; Immunology; Innate Immunity; Cytokines; Cancer; Cell Death

NCBI AND UNIPROT INFORMATION

NCBI GI #	6679293
NCBI GeneID	21946
NCBI Accession #	NP_033428.1
NCBI GenBank Nucleotide #	NM_009402.2
UniProt Accession #	O88593; Q62185
Molecular Weight	20,489 Da
NCBI Official Full Name	peptidoglycan recognition protein 1
NCBI Official Synonym Full Names	peptidoglycan recognition protein 1
NCBI Official Symbol	Pglyrp1
NCBI Official Synonym Symbols	PGRP; Tag7; Tasg7; PGRP-S; Pglyrp; Tnfsf3l
NCBI Protein Information	peptidoglycan recognition protein 1
UniProt Protein Name	Peptidoglycan recognition protein 1
UniProt Gene Name	Pglyrp1
UniProt Synonym Gene Names	Pglyrp; Pgrp; Pgrps; Tag7; PGRP-S

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/pglyrp1-pgrps/124873>