

Human Peptidoglycan Recognition Protein 2 (PGLYRP2) ELISA Kit | PGLYRP2 elisa kit

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CATALOG #
AAA186436

REACTIVITY
Human

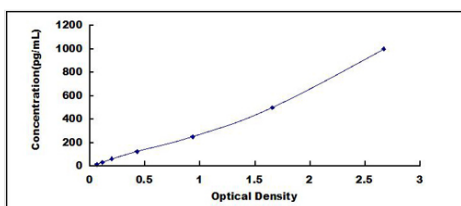
PRODUCT SYNONYMS

Peptidoglycan Recognition Protein 2 (PGLYRP2); Human Peptidoglycan Recognition Protein 2 (PGLYRP2) ELISA Kit; HMFT0141; PGLYRPL; PGRP-L; PGRPL; TAGL-like; tagL; tagL-alpha; tagL-beta; N-acetylmuramoyl-L-alanine amidase; Peptidoglycan recognition protein long; PGLYRP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Peptidoglycan Recognition Protein 2 (PGLYRP2). No significant cross-reactivity or interference between Peptidoglycan Recognition Protein 2 (PGLYRP2) and analogues was observed.
Sequence Length	634
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Urine, Tissue Homogenates and Other Biological Fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 5.7pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Peptidoglycan Recognition Protein 2 (PGLYRP2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Peptidoglycan Recognition Protein 2 (PGLYRP2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGLYRP2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Peptidoglycan Recognition Protein 2 (PGLYRP2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Peptidoglycan Recognition Protein 2 (PGLYRP2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Peptidoglycan Recognition Protein 2 (PGLYRP2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Peptidoglycan Recognition Protein 2 (PGLYRP2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	219518193
NCBI GeneID	114770
UniProt Accession #	Q96PD5; Q68CK1; Q96N74; Q9UC60; A8K050; A8K8C7; B2RMZ2; B7ZM33
Molecular Weight	68,000 Da
NCBI Official Full Name	Peptidoglycan recognition protein 2
NCBI Official Synonym Full Names	peptidoglycan recognition protein 2
NCBI Official Symbol	PGLYRP2
NCBI Official Synonym Symbols	tagL; PGRPL; PGRP-L; PGLYRPL; HMFT0141; TAGL-like; tagl-beta; tagL-alpha
NCBI Protein Information	N-acetylmuramoyl-L-alanine amidase
UniProt Protein Name	N-acetylmuramoyl-L-alanine amidase
UniProt Gene Name	PGLYRP2
UniProt Synonym Gene Names	PGLYRPL; PGRPL; PGRP-L

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/peptidoglycan-recognition-protein-2-pglyrp2/186436>