

Human Peptidoglycan Recognition Protein L (PGRP-L) ELISA Kit | PGRP-L elisa kit

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CATALOG #
AAA331404

REACTIVITY
Human

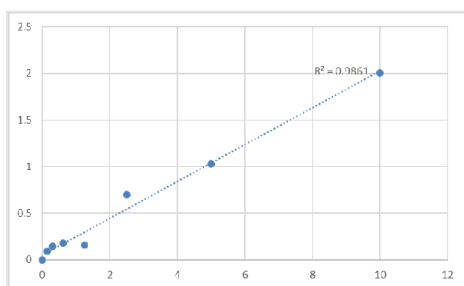
PRODUCT SYNONYMS

Peptidoglycan Recognition Protein L (PGRP-L); Human Peptidoglycan Recognition Protein L (PGRP-L) ELISA Kit; PGLYRP2; HMFT0141; PGLYRPL; PGRP-L; PGRP-L; TAGL-like; tagL; tagL-alpha; tagL-beta; peptidoglycan recognition protein L; peptidoglycan recognition protein-like; PGRP-L elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Peptidoglycan recognition protein L (PGRP-L) ELISA Kit has high sensitivity and excellent specificity for detection of Human PGLYRP2. No significant cross-reactivity or interference between Human PGLYRP2 and analogues was observed.
Sequence Length	576
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Peptidoglycan recognition protein L (PGRP-L) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PGRP-L elisa kit	Description: This Human Peptidoglycan recognition protein L (PGRP-L) ELISA Kit employs a two-site sandwich ELISA to quantitate PGLYRP2 in samples. An antibody specific for PGLYRP2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PGLYRP2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PGLYRP2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PGLYRP2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The deduced 576-amino acid precursor protein contains an N-terminal signal peptide, followed by 2 transmembrane segments and an extracellular C terminus containing PGRP domains III, II, and I. PGRP-L shares 40%, 33%, and 32% identity with PGRPS, PGRP-I-alpha, and PGRP-I-beta, respectively. RNA dot blot analysis detected strong PGRP-L expression in adult liver and weak expression in fetal liver. Northern blot analysis detected 2.1- and 0.8-kb transcripts expressed in adult and fetal liver. PCR also detected low expression in transverse colon, lymph nodes, heart, thymus, pancreas, descending colon, stomach, and testis. Transiently transfected COS-7 and human embryonic kidney cells expressed PGRP-L as a Triton X-100-soluble membrane protein with an apparent molecular mass of 65 kD.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	156616294
NCBI GeneID	114770
NCBI Accession #	NP_443122.3
NCBI GenBank Nucleotide #	NP_443122.3
UniProt Accession #	Q96PD5
NCBI Official Full Name	N-acetylmuramoyl-L-alanine amidase isoform 1
NCBI Official Synonym Full Names	peptidoglycan recognition protein 2
NCBI Official Symbol	PGLYRP2
NCBI Official Synonym Symbols	tagL; 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; PGRP-L; PGRP-L
UniProt Entry Name	PGRP2_HUMAN

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.