

Human PGPEP1 (Pyroglutamyl-peptidase 1) ELISA Kit | PGPEP1 elisa kit

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CATALOG #
AAA250570

REACTIVITY
Human

PRODUCT SYNONYMS

PGPEP1 (Pyroglutamyl-peptidase 1); Human PGPEP1 (Pyroglutamyl-peptidase 1) ELISA Kit; Pyroglutamyl-peptidase 1; 5-oxopropyl-peptidase; Pyroglutamyl aminopeptidase I (PAP-I); Pyroglutamyl-peptidase I (PGP-I); Pyrrolidone-carboxylate peptidase; PGPEP1; PGPEP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PGPEP1. No significant cross-reactivity or interference between PGPEP1 and analogues was observed.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

ADDITIONAL INFORMATION

Related Product Information for PGPEP1 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP -Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	14548183
NCBI GeneID	54858
UniProt Accession #	Q9NXJ5; Q8IVT1; A8K1Q3
Molecular Weight	209
NCBI Official Full Name	Pyroglutamyl-peptidase 1
NCBI Official Synonym Full Names	pyroglutamyl-peptidase I
NCBI Official Symbol	PGPEP1

NCBI Official Synonym Symbols	PGP; Pcp; PGPI; PAP-I; PGP-I
NCBI Protein Information	pyroglutamyl-peptidase 1; 5-oxopropyl-peptidase; pyroglutamyl aminopeptidase I; pyrrolidone-carboxylate peptidase
UniProt Protein Name	Pyroglutamyl-peptidase 1
UniProt Gene Name	PGPEP1
UniProt Synonym Gene Names	PGPI; PAP-I; PGP-I
UniProt Entry Name	PGPI_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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/pgpep1-pyroglutamyl-peptidase-1/250570>