

Human Puromycin Sensitive Aminopeptidase (PSA) ELISA Kit | PSA elisa kit

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CATALOG #
AAA138502

REACTIVITY
Human

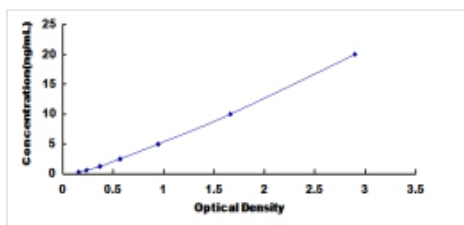
PRODUCT SYNONYMS

Puromycin Sensitive Aminopeptidase (PSA); Human Puromycin Sensitive Aminopeptidase (PSA) ELISA Kit; NPEPPS; AAP-S; Metalloproteinase MP100; Cytosol alanyl aminopeptidase; PSA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Puromycin Sensitive Aminopeptidase (PSA). No significant cross-reactivity or interference between Puromycin Sensitive Aminopeptidase (PSA) and analogues was observed.
Sequence Length	839
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.118ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Puromycin Sensitive Aminopeptidase (PSA) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Puromycin Sensitive Aminopeptidase (PSA) 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 PSA 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 Puromycin Sensitive Aminopeptidase (PSA). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Puromycin Sensitive Aminopeptidase (PSA). 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 Puromycin Sensitive Aminopeptidase (PSA), 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 Puromycin Sensitive Aminopeptidase (PSA) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PSA elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	4210726
NCBI GeneID	9520
UniProt Accession #	P55786; Q6P145; Q9NP16; Q9UEM2; B7Z463
Molecular Weight	94,516 Da
NCBI Official Full Name	puromycin sensitive aminopeptidase, partial
NCBI Official Synonym Full Names	aminopeptidase puromycin sensitive
NCBI Official Symbol	NPEPPS
NCBI Official Synonym Symbols	PSA; AAP-S; MP100
NCBI Protein Information	puromycin-sensitive aminopeptidase
UniProt Protein Name	Puromycin-sensitive aminopeptidase
UniProt Gene Name	NPEPPS
UniProt Synonym Gene Names	PSA; PSA; AAP-S
UniProt Entry Name	PSA_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/puromycin-sensitive-aminopeptidase-psa/138502>