

Mouse Asporin (ASPN) ELISA Kit | ASPN elisa kit

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CATALOG #
AAA64323

REACTIVITY
Mouse

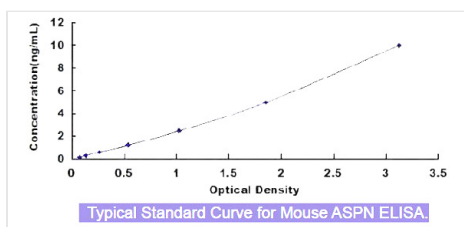
PRODUCT SYNONYMS

Asporin (ASPN); Mouse Asporin (ASPN) ELISA Kit; PLAP1; SLRR1C; Periodontal ligament-associated protein 1; ASPN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ASPN. No significant cross-reactivity or interference between ASPN and analogues was observed.
Sequence Length	373
Samples	Serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ASPN were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ASPN were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ASPN elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ASPN in mouse serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ASPN. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ASPN. 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 ASPN, 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 ASPN 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 #	289177082
NCBI GeneID	66695
NCBI Accession #	NP_001165952.1
NCBI GenBank Nucleotide #	NM_001172481.1
UniProt Accession #	Q99MQ4; Q9D6A2
Molecular Weight	42,573 Da
NCBI Official Full Name	asporin preproprotein
NCBI Official Synonym Full Names	asporin
NCBI Official Symbol	Aspn
NCBI Official Synonym Symbols	Plap1; Slrr1c; AA986886; 4631401G09Rik
NCBI Protein Information	asporin
UniProt Protein Name	Asporin
UniProt Gene Name	Aspn
UniProt Synonym Gene Names	PLAP-1

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.