

Human Alkaline Sphingomyelinase (Alk-Smase) ELISA Kit | ENPP7 elisa kit

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CATALOG #
AAA67102

REACTIVITY
Human

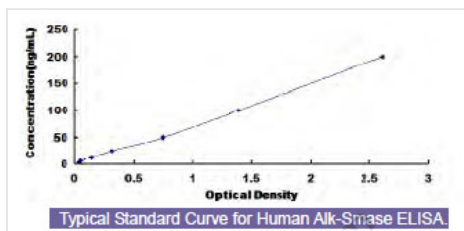
PRODUCT SYNONYMS

Alkaline Sphingomyelinase (Alk-Smase); Human Alkaline Sphingomyelinase (Alk-Smase) ELISA Kit; ACVRL1; ACVRLK1; HHT2; ORW2; SKR3; TSR-I; TGF-B superfamily receptor type I; Activin A Receptor Type II-Like 1; Serine/Threonine-Protein Kinase Receptor R3; ENPP7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Alk-Smase. No significant cross-reactivity or interference between Alk-Smase and analogues was observed.
Sequence Length	458
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	3.125-200ng/mL
Sensitivity	1.39ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Alk-Smase 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 Alk-Smase 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 ENPP7 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of Alk-Smase in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Alk-Smase. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to Alk-Smase. 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 Alk-Smase, 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 Alk-Smase 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 #	530788254
NCBI GeneID	339221
NCBI Accession #	NP_848638.3
NCBI GenBank Nucleotide #	NM_178543.4
UniProt Accession #	Q6UWV6; Q6ZTS5; Q8IUS8
Molecular Weight	51,494 Da
NCBI Official Full Name	ectonucleotide pyrophosphatase/phosphodiesterase family member 7
NCBI Official Synonym Full Names	ectonucleotide pyrophosphatase/phosphodiesterase 7
NCBI Official Symbol	ENPP7
NCBI Official Synonym Symbols	NPP7; NPP-7; E-NPP 7; ALK-SMase
NCBI Protein Information	ectonucleotide pyrophosphatase/phosphodiesterase family member 7
UniProt Protein Name	Ectonucleotide pyrophosphatase/phosphodiesterase family member 7
UniProt Gene Name	ENPP7
UniProt Synonym Gene Names	E-NPP 7; NPP-7; Alk-SMase

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://stage.aaabiotech.com/human-elisa-kits/alkaline-sphingomyelinase-alk-smase/67102>