

Rat Alkaline Sphingomyelinase (Alk-Smase) ELISA Kit | Enpp7 elisa kit

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CATALOG #
AAA64334

REACTIVITY
Rat

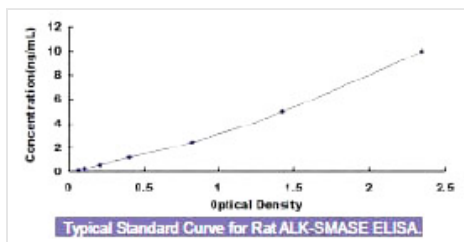
PRODUCT SYNONYMS

Alkaline Sphingomyelinase (Alk-Smase); Rat Alkaline Sphingomyelinase (Alk-Smase) ELISA Kit; ENPP7; E-NPP 7; NPP-7; Ectonucleotide Pyrophosphatase/Phosphodiesterase 7; Sphingomyelin Phosphodiesterase; Intestinal alkaline sphingomyelinase; Enpp7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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	439
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.043ng/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 rat 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 #	60223065
NCBI GeneID	303729
NCBI Accession #	NP_001012484.1
NCBI GenBank Nucleotide #	NM_001012466.1
UniProt Accession #	Q5EZ72
Molecular Weight	49,837 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	E-NPP 7
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/rat-elisa-kits/alkaline-sphingomyelinase-alk-smase/64334>