

Mouse Alkaline Sphingomyelinase (Alk-Smase) RTU ELISA Kit | Alk-Smase rtu elisa kit

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CATALOG #
AAA69019

REACTIVITY
Mouse

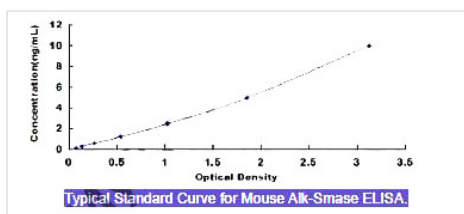
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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	Mouse tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.051ng/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 kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Alk-Smase rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of Alk-Smase in mouse 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 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 #	568973826
NCBI GeneID	238011
NCBI Accession #	XP_006533321.1
NCBI GenBank Nucleotide #	XM_006533258.2
UniProt Accession #	Q3TIW9
Molecular Weight	49,618 Da
NCBI Official Full Name	ectonucleotide pyrophosphatase/phosphodiesterase family member 7 isoform X1
NCBI Official Synonym Full Names	ectonucleotide pyrophosphatase/phosphodiesterase 7
NCBI Official Symbol	Enpp7
NCBI Official Synonym Symbols	Gm254; Alk-SMase
NCBI Protein Information	ectonucleotide pyrophosphatase/phosphodiesterase family member 7
UniProt Protein Name	Enpp7 protein
UniProt Gene Name	Enpp7

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/mouse-rtu-elisa-kits/alkaline-sphingomyelinase-alk-smase/69019>