

Rat Neutral Sphingomyelinase (NSMASE) ELISA Kit | NSMASE elisa kit

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CATALOG #
AAA65563

REACTIVITY
Rat

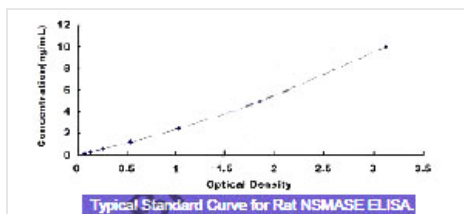
PRODUCT SYNONYMS

Neutral Sphingomyelinase (NSMASE); Rat Neutral Sphingomyelinase (NSMASE) ELISA Kit; SMPD2; N-SMase; ISC1; Neutral Sphingomyelin Phosphodiesterase; Sphingomyelin Phosphodiesterase 2; Neutral Membrane; Lyso-platelet-activating factor-phospholipase C; NSMASE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of NSMASE. No significant cross-reactivity or interference between NSMASE and analogues was observed.
Sequence Length	655
Samples	Rat tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.068ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NSMASE 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 NSMASE 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 NSMASE elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of NSMASE in rat 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 NSMASE. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NSMASE. 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 NSMASE, 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 NSMASE 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 #	16758394
NCBI GeneID	94338
NCBI Accession #	NP_446057.1
NCBI GenBank Nucleotide #	NM_053605.1
UniProt Accession #	O35049
Molecular Weight	71,272 Da
NCBI Official Full Name	sphingomyelin phosphodiesterase 3
NCBI Official Synonym Full Names	sphingomyelin phosphodiesterase 3
NCBI Official Symbol	Smpd3
NCBI Official Synonym Symbols	cca1
NCBI Protein Information	sphingomyelin phosphodiesterase 3
UniProt Protein Name	Sphingomyelin phosphodiesterase 3
UniProt Gene Name	Smpd3
UniProt Synonym Gene Names	Cca1; nSMase-2; nSMase2

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.