

Human Sphingomyelin phosphodiesterase ELISA Kit | SMPD1 elisa kit

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CATALOG #
AAA101232

REACTIVITY
Human

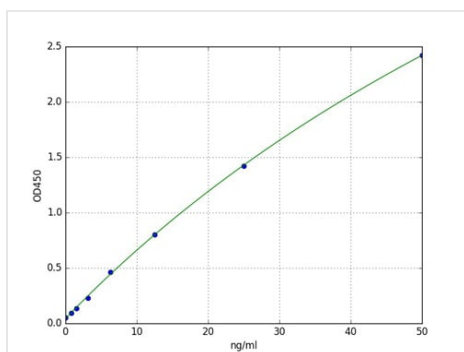
PRODUCT SYNONYMS

Sphingomyelin phosphodiesterase; Human Sphingomyelin phosphodiesterase ELISA Kit; SMPD1/ASM (Sphingomyelin phosphodiesterase)/aSMase/NPD/Acid Sphingomyelinase/Acid sphingomyelinase/sphingomyelin phosphodiesterase/sphingomyelin phosphodiesterase 1; acid lysosomal; SMPD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	625
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.781-50ng/ml
Sensitivity	0.469ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a ASM ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.781	1.563	3.125	6.25	12.5	25	50
Y	OD450	0.052	0.175	0.298	0.462	0.691	1.287	1.712	1.957

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SMPD1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-ASM antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-ASM antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the ASM amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of ASM can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	115496992
NCBI GeneID	505097
NCBI Accession #	NP_001068655.1
NCBI GenBank Nucleotide #	NM_001075187.1
Molecular Weight	69,392 Da
NCBI Official Full Name	sphingomyelin phosphodiesterase
NCBI Official Symbol	SMPD1
NCBI Protein Information	sphingomyelin phosphodiesterase
UniProt Protein Name	Sphingomyelin phosphodiesterase
UniProt Gene Name	SMPD1
UniProt Synonym Gene Names	aSMase
UniProt Entry Name	ASM_BOVIN

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/smpd1-human-elisa-kits/sphingomyelin-phosphodiesterase/101232>