

Human sphingomyelin phosphodiesterase 1, acid lysosomal ELISA Kit | SMPD1 elisa kit

Human acid sphingomyelinase, ASM ELISA Kit

CATALOG #
AAA15088

REACTIVITY
Human

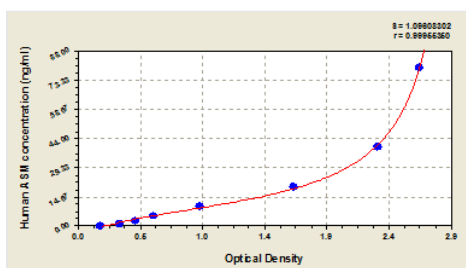
PRODUCT SYNONYMS

sphingomyelin phosphodiesterase 1; acid lysosomal; Human acid sphingomyelinase; ASM ELISA Kit; ASM; NPD; acid sphingomyelinase; SMPD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human ASM. No significant cross-reactivity or interference between human ASM and analogues was observed.
Sequence Length	631
Samples	Serum, plasma, cell culture supernates, cerebrospinal fluid (csf) and urine
Assay Type	Quantitative Sandwich
Detection Range	1.25 ng/ml-80 ng/ml
Sensitivity	< 0.31 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SMPD1 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ASM has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ASM present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ASM is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ASM bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	56117840
NCBI GeneID	6609
NCBI Accession #	NP_000534.3
NCBI GenBank Nucleotide #	NM_000543.4
UniProt Accession #	P17405; P17406; Q13811; Q16837; Q16841; A8K8M3; E9PKS3
Molecular Weight	69,752 Da
NCBI Official Full Name	sphingomyelin phosphodiesterase isoform 1
NCBI Official Synonym Full Names	sphingomyelin phosphodiesterase 1, acid lysosomal
NCBI Official Symbol	SMPD1
NCBI Official Synonym Symbols	ASM; NPD; ASMASE
NCBI Protein Information	sphingomyelin phosphodiesterase; acid sphingomyelinase
UniProt Protein Name	Sphingomyelin phosphodiesterase
UniProt Gene Name	SMPD1
UniProt Synonym Gene Names	ASM; aSMase
UniProt Entry Name	ASM_HUMAN

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-1-acid-lysosomal/15088>