

Rat Acid Sphingomyelinase ELISA Kit | ASM elisa kit

Rat ASM (Acid Sphingomyelinase) ELISA Kit

CATALOG #
AAA171523

REACTIVITY
Rat

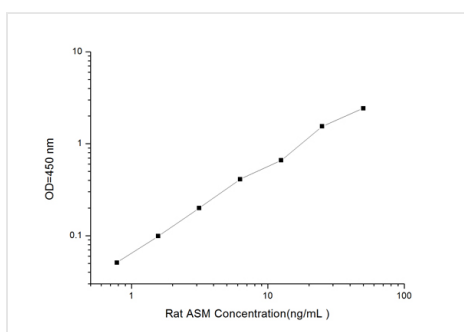
PRODUCT SYNONYMS

Acid Sphingomyelinase; Rat ASM (Acid Sphingomyelinase) ELISA Kit; ASM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat ASM in samples. No significant cross-reactivity or interference between Rat ASM and analogues was observed.
Sequence Length	629
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	0.47ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat ASM were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat ASM were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ASM elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat ASM. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat ASM and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat ASM, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Rat ASM. You can calculate the concentration of Rat ASM in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat ASM concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	179095
NCBI GeneID	6609
Molecular Weight	69,624 Da
NCBI Official Full Name	acid sphingomyelinase
NCBI Official Synonym Full Names	sphingomyelin phosphodiesterase 1
NCBI Official Symbol	SMPD1
NCBI Official Synonym Symbols	ASM; NPD; ASMASE
NCBI Protein Information	sphingomyelin phosphodiesterase
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/asm-rat-elisa-kits/acid-sphingomyelinase/171523>