

Rabbit Acid Sphingomyelinase ELISA Kit | ASM elisa kit

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CATALOG #
AAA82945

REACTIVITY
Rabbit

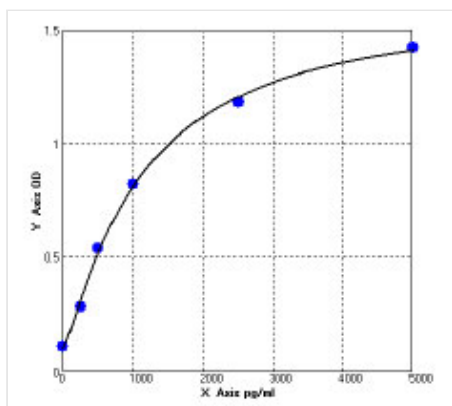
PRODUCT SYNONYMS

Acid Sphingomyelinase; Rabbit Acid Sphingomyelinase ELISA Kit; ASM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ASM elisa kit	Intended Uses: This ASM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit ASM. This ELISA kit for research use only! Principle of the Assay: ASM ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for ASM. Standards or samples are then added to the microtiter plate wells and ASM if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of ASM present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for ASM are added to each well to "sandwich" the ASM immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain ASM and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ASM concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ASM elisa kit	Cell Biology

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, 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.