

Rat Sphingomyelin (SPH) ELISA Kit | SPH elisa kit

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CATALOG #
AAA54282

REACTIVITY
Rat

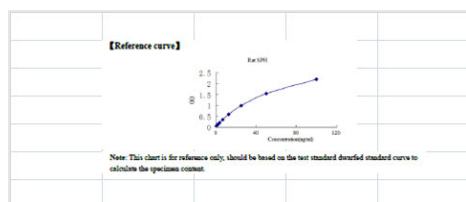
PRODUCT SYNONYMS

Sphingomyelin (SPH); Rat Sphingomyelin (SPH) ELISA Kit; SPH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	No cross-reaction with other factors.
Sequence Length	415
Assay Type	Sandwich
Detection Range	100 ng/mL-1.56 ng/mL
Sensitivity	Up to 0.5 ng/mL
Intra-assay Precision	<= 8%
Inter-assay Precision	<= 12%
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPH elisa kit

Principle of the Assay: As mentioned above, this kit utilizes the Double Antibody Sandwich ELISA technique. The pre-coated antibody is an anti-Rat SPH monoclonal antibody, while the detection antibody is a biotinylated polyclonal antibody. Samples and biotinylated antibodies are added into ELISA plate wells and washed out with PBS or TBS after their respective additions to the wells. Then Avidin-peroxidase conjugates are added to the wells in after. TMB substrate is used for coloration after the enzyme conjugate has already been thoroughly washed out of the wells by PBS or TBS. TMB reacts to form a blue product from the peroxidase activity, and finally turns to yellow after addition of the stop solution (Color Reagent C). The color intensity and quantity of target analyte in the sample are positively correlated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	292658773
NCBI GeneID	142891

NCBI Accession #	NP_001167627.1
NCBI GenBank Nucleotide #	NM_001174156.1
Molecular Weight	37,609 Da
NCBI Official Full Name	sphingomyelin synthase-related protein 1 isoform 1
NCBI Official Synonym Full Names	sterile alpha motif domain containing 8
NCBI Official Symbol	SAMD8
NCBI Official Synonym Symbols	SMSr; HEL-177
NCBI Protein Information	sphingomyelin synthase-related protein 1; CPE synthase; epididymis luminal protein 177; sphingomyelin synthase related; SAM domain-containing protein 8; ceramide phosphoethanolamine synthase; sterile alpha motif domain-containing protein 8
UniProt Protein Name	Sphingomyelin synthase-related protein 1
UniProt Gene Name	SAMD8
UniProt Synonym Gene Names	SMSr; CPE synthase; SAM domain-containing protein 8
UniProt Entry Name	SAMD8_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/rat-elisa-kits/sphingomyelin-sph/54282>