

Rat SPHK1 (Sphingosine Kinase 1) ELISA Kit | SPHK1 elisa kit

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CATALOG #
AAA277745

REACTIVITY
Rat

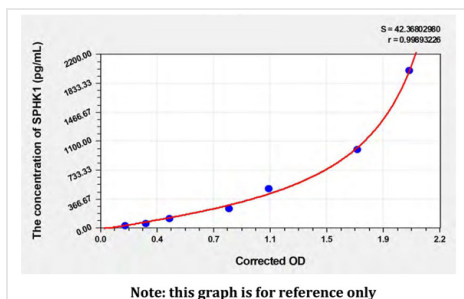
PRODUCT SYNONYMS

SPHK1 (Sphingosine Kinase 1); Rat SPHK1 (Sphingosine Kinase 1) ELISA Kit; SK 1; SK1; Sphingosine kinase 1; SPHK 1; SPHK; Sphk1; SPHK1_HUMAN; SPK ; SPK 1; SPHK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat SPHK1. No significant cross-reactivity or interference between Rat SPHK1 and analogues was observed.
Assay Type	Sandwich
Detection Range	31.25-2000 pg/mL
Sensitivity	14.1 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPHK1 elisa kit

Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rat SPHK1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat SPHK1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Rat SPHK1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Rat SPHK1 in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	399154133
NCBI GeneID	170897
NCBI Accession #	NP_001257736.1
NCBI GenBank Nucleotide #	NM_001270807.1
UniProt Accession #	Q91V26; Q642F6
Molecular Weight	42,418 Da
NCBI Official Full Name	sphingosine kinase 1 isoform b
NCBI Official Synonym Full Names	sphingosine kinase 1
NCBI Official Symbol	Sphk1
NCBI Protein Information	sphingosine kinase 1
UniProt Protein Name	Sphingosine kinase 1
UniProt Gene Name	Sphk1
UniProt Synonym Gene Names	SK 1; SPK 1
UniProt Entry Name	SPHK1_RAT

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/sphk1-sphingosine-kinase-1/277745>