

Rat Sphingosine Kinase 1 ELISA Kit | SPHK1 elisa kit

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CATALOG #
AAA247312

REACTIVITY
Rat

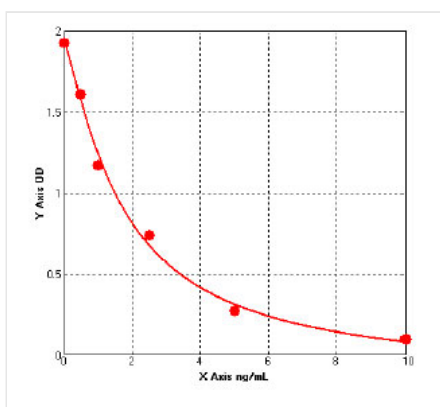
PRODUCT SYNONYMS

Sphingosine Kinase 1; Rat Sphingosine Kinase 1 ELISA Kit; SPHK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of SPHK1. No significant cross-reactivity or interference between SPHK1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SPHK1 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	485
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPHK1 elisa kit	Principle of the Assay: SPHK1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SPHK1 antibody and an SPHK1-HRP conjugate. The assay sample and buffer are incubated together with SPHK1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SPHK1 concentration since SPHK1 from samples and SPHK1-HRP conjugate compete for the anti-SPHK1 antibody binding site. Since the number of sites is limited, as more sites are occupied by SPHK1 from the sample, fewer sites are left to bind SPHK1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SPHK1 concentration in each sample is interpolated from this standard curve. Intended Uses: This SPHK1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat SPHK1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for SPHK1 elisa kit	Biochemicals

NCBI AND UNIPROT INFORMATION

NCBI GI #	334186773
NCBI GeneID	828239
NCBI Accession #	NP_193885.6
NCBI GenBank Nucleotide #	NM_118274.8
UniProt Accession #	Q8L7L1; O65419; A0A2H1ZEN6; F4JJK0
Molecular Weight	35,548 Da
NCBI Official Full Name	sphingosine kinase 1
NCBI Official Symbol	SPHK1
NCBI Official Synonym Symbols	F18E5.160; F18E5_160; sphingosine kinase 1
NCBI Protein Information	sphingosine kinase 1
UniProt Protein Name	Sphingosine kinase 1
UniProt Gene Name	SPHK1

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.