

Human Sphingosine Kinase 1 (SPK1) ELISA Kit | SPK1 elisa kit

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CATALOG #
AAA330741

REACTIVITY
Human

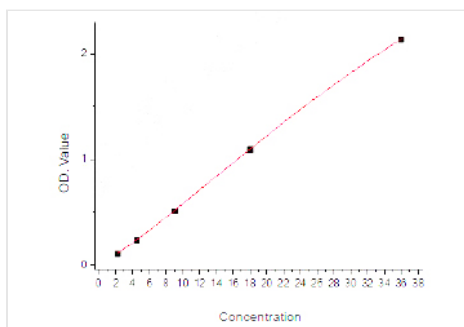
PRODUCT SYNONYMS

Sphingosine Kinase 1 (SPK1); Human Sphingosine Kinase 1 (SPK1) ELISA Kit; SPHK1; SPHK; SPK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	384
Assay Type	Sandwich
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPK1 elisa kit

Principle of the Assay: Human Sphingosine Kinase 1 (SPK1) ELISA Kit employs a two-site sandwich ELISA to quantitate SPK1 in samples. An antibody specific for SPK1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SPK1 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human SPK1 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of SPK1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Background/Introduction: Sphingosine kinase 1 (SPK1) catalyzes the phosphorylation of sphingosine to form sphingosine-1-phosphate (S1P), a lipid mediator with both intra- and extracellular functions. Intracellularly, S1P regulates proliferation and survival, and extracellularly, it is a ligand for cell surface G protein-coupled receptors. SPK1, and its product S1P, play a key role in TNF-alpha signaling and the NF-kappa-B activation pathway important in inflammatory, antiapoptotic, and immune processes.

NCBI AND UNIPROT INFORMATION

NCBI GI #	17369329
NCBI GeneID	8877

UniProt Accession #	Q9NYA1
NCBI Official Full Name	Sphingosine kinase 1
NCBI Official Synonym Full Names	sphingosine kinase 1
NCBI Official Symbol	SPHK1
NCBI Official Synonym Symbols	SPHK
NCBI Protein Information	sphingosine kinase 1
UniProt Protein Name	Sphingosine kinase 1
UniProt Gene Name	SPHK1
UniProt Synonym Gene Names	SPHK; SPK; SK 1; SPK 1
UniProt Entry Name	SPHK1_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://www.aaabiotech.com/human-elisa-kits/sphingosine-kinase-1-spk1/330741>