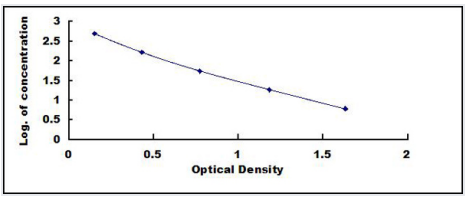
Sphingosine (SPH) ELISA Kit for General

PRODUCT OVERVIEW

Product Name	Sphingosine (Sph), ELISA Kit
Full Product Name	General Sphingosine (Sph) ELISA Kit
Product Gene Name	Sph elisa kit
Product Synonym Names	2-Amino-4-Octadecene-1,3-Diol
Species Reactivity	General
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	6.17-500ng/mL
Sensitivity	2.67ng/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of Sphingosine (Sph). No significant cross-reactivity or interference between Sphingosine (Sph) and analogues was observed.
Preparation and Storage	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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Sphingosine (Sph) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Sphingosine (Sph) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Product Categories/Family for Sph elisa kit	Signal Transduction; Developmental Science
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Related Product Information for Sph elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Sphingosine (Sph) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Sphingosine (Sph) and unlabeled Sphingosine (Sph) (Standards or samples) with the pre-coated antibody specific to Sphingosine (Sph). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Sphingosine (Sph) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Sphingosine (Sph) in the sample.
Other Notes	Small volumes of Sph elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for Sph purchase	MBS2122076 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Sphingosine (Sph) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing Sph. The ELISA analytical biochemical technique of the MBS2122076 kit is based on Sph antibody-Sph antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect Sph antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, Sph. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of Sph elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Sph. It may not necessarily be applicable to this product.

Protein Family	Sphingomyelin phosphodiesterase
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/general-elisa-kits/sphingosine-sph/2122076