Human Protein spinster homolog 3 (SPNS3) ELISA Kit

Catalog No: #EK6573

Package Size: #EK6573-1 48T #EK6573-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human Protein spinster homolog 3 (SPNS3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	MGC29671; spinster homolog 3
Accession No.	Q6ZMD2
Uniprot	Q6ZMD2
GeneID	201305;
Storage	The stability of ELISA 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. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate SPNS3 in samples. An antibody specific for SPNS3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySPNS3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPNS3 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SPNS3 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:By searching a human database for sequences similar to the SLC22 family of anion transporters , Jacobsson et al. (2007) identified SPNS3. The deduced 512-amino acid protein has 12 putative transmembrane domains. Quantitative real-time PCR detected high expression of rat Spns3 in coronal brain sections of the olfactory bulb and frontal cortex. Expression was moderate in other coronal sections and in thymus, kidney, and spleen. Little to no expression was detected in other tissues examined. Jacobsson et al. (2007) determined that the SPNS3 gene contains 12 exons.Jacobsson et al. (2007) stated that the SPNS3 gene maps to chromosome 17p13.2; the mouse Spns3 gene maps to chromosome 11qB4.

Note: This product is for in vitro research use only