

Mouse Extracellular sulfatase Sulf-2 (SULF2) ELISA Kit

Catalog No: #EK6716

Orders: order@signalwayantibody.com

Package Size: #EK6716-1 48T #EK6716-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Extracellular sulfatase Sulf-2 (SULF2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	RP5-1049G16.1; DKFZp313E091; FLJ44488; FLJ90554; HSULF-2; KIAA1247; MGC126411; extracellular sulfatase SULF-2
Accession No.	Q8CFG0
Uniprot	Q8CFG0
GeneID	72043;
Storage	<p>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.</p> <p>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).</p>

Application Details

Detect Range:31.25-2000 pg/mL

Sensitivity:12.7 pg/mL

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:Sandwich Test principle: This assay employs a two-site sandwich ELISA to quantitate SULF2 in samples. An antibody specific for SULF2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SULF2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SULF2 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 SULF2 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Sulfatase 2 contains an N-terminal signal sequence, followed by a sulfatase domain, a hydrophilic region, and a C-terminal substrate recognition domain. SULF2 shares about 64% identity with SULF1 and 94% identity with mouse Sulf2. PCR detected SULF2 expression in most human tissues examined, with highest levels in ovary, skeletal muscle, stomach, brain, uterus, heart, kidney, and placenta. Western blot analysis of transfected Chinese hamster ovary (CHO) cells and culture medium detected SULF2 proteins with apparent molecular masses of 132, 64, and 60 kD in the culture medium. Treatment with furin inhibitors resulted in a single 132-kD species, and treatment with N-glycanase reduced the molecular mass from 132 kD to 100 kD.

Note: This product is for in vitro research use only