

Mouse ADAMTS-like protein 4 (ADAMTSL4) ELISA Kit

Catalog No: #EK7715

Orders: order@signalwayantibody.com

Package Size: #EK7715-1 48T #EK7715-2 96T

Support: tech@signalwayantibody.com

Description

| | |
|--------------------|--|
| Product Name | Mouse ADAMTS-like protein 4 (ADAMTSL4) ELISA Kit |
| Brief Description | ELISA Kit |
| Applications | ELISA |
| Species Reactivity | Mouse (<i>Mus musculus</i>) |
| Other Names | TSRC1; OTTHUMP00000032789 thrombospondin repeat containing 1 |
| Accession No. | Q80T21 |
| Uniprot | Q80T21 |
| GeneID | 229595; |
| 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:1.56-100 ng/mL

Sensitivity:0.39 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 μ L

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 ADAMTSL4 in samples. An antibody specific for ADAMTSL4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyADAMTSL4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADAMTSL4 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 ADAMTSL4 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:ADAMTSL4 is a member of ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs)-like gene family and encodes a protein with protein with seven thrombospondin type 1 repeats. The thrombospondin type 1 repeat domain is found in many proteins with diverse biological functions including cellular adhesion, angiogenesis, and patterning of the developing nervous system. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. Expressed in colon, heart, leukocyte, liver, lung, skeletal muscle, spleen, testis and placenta. Weaker expression in bone marrow, brain tissue, kidney and pancreas. Expression studies in fetal tissues reveal strong expression in heart, kidney, liver, lung and skeletal muscle, but weaker expression in fetal brain and skin.

Note: This product is for in vitro research use only