

Rat A disintegrin and metalloproteinase with thrombospondin motifs 7 (ADAMTS7) ELISA Kit

Catalog No: #EK7712

Orders: order@signalwayantibody.com

Package Size: #EK7712-1 48T #EK7712-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Rat A disintegrin and metalloproteinase with thrombospondin motifs 7 (ADAMTS7) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (<i>Rattus norvegicus</i>)
Other Names	ADAM-TS7; DKFZp434H204; COMPase a disintegrin and metalloprotease with thrombospondin motifs-7 preproprotein a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif
Accession No.	Q1EHB3
Uniprot	Q1EHB3
GeneID	315879;
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:0.156-10 ng/mL

Sensitivity:0.055 ng/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:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate ADAMTS7 in samples. An antibody specific for ADAMTS7 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyADAMTS7 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADAMTS7 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 ADAMTS7 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**ADAMTS7 is a member of the ADAM protein family . The gene is expressed in human brain, heart, lung, liver, pancreas, kidney, skeletal muscle, and placenta. The murine protein is expressed at low levels throughout mouse development.

The predicted 997-amino acid ADAMTS7 protein has a domain structure characteristic of ADAMTSs.

The mature ADAMTS7 protein has 2 potential N-linked glycosylation sites. Northern blot analysis detected a 5-kb ADAMTS7 transcript in all human tissues examined, namely brain, heart, lung, liver, pancreas, kidney, skeletal muscle, and placenta; skeletal muscle expressed an additional 7-kb transcript. Mouse Adamts7 was expressed at low levels throughout mouse development.

Note: This product is for in vitro research use only