

Rat A disintegrin and metalloproteinase with thrombospondin motifs 1 (ADAMTS1) ELISA Kit

Catalog No: #EK7710

Orders: order@signalwayantibody.com

Package Size: #EK7710-1 48T #EK7710-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Rat A disintegrin and metalloproteinase with thrombospondin motifs 1 (ADAMTS1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (<i>Rattus norvegicus</i>)
Other Names	C3-C5; KIAA1346; METH1; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif; 1 human metalloproteinase with thrombospondin type 1 motifs
Accession No.	Q9WUQ1
Uniprot	Q9WUQ1
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:78.1-5000 pg/mL

Sensitivity:30.5 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 ADAMTS1 in samples. An antibody specific for ADAMTS1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyADAMTS1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADAMTS1 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 ADAMTS1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**ADAMTS1 is a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motif) protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The protein encoded by this gene contains two disintegrin loops and three C-terminal TS motifs and has anti-angiogenic activity. The expression of this gene may be associated with various inflammatory processes as well as development of cancer cachexia. This gene is likely to be necessary for normal growth, fertility, and organ morphology and function.

Note: This product is for in vitro research use only