

Human A Disintegrin And Metalloprotease 12 (ADAM12) ELISA Kit

Catalog No: #EK7698

Orders: order@signalwayantibody.com

Package Size: #EK7698-1 48T #EK7698-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human A Disintegrin And Metalloprotease 12 (ADAM12) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP11-295J3.5; MCMP; MCMPMltna; MLTN; MLTNA; a disintegrin and metalloproteinase domain 12 (meltrin alpha) meltrin alpha
Accession No.	O43184
Uniprot	O43184
GeneID	8038;
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:0.057 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 ADAM12 in samples. An antibody specific for ADAM12 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyADAM12 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADAM12 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 ADAM12 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**ADAM12 encodes a member of the ADAM (a disintegrin and metalloprotease) protein family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. This gene has two alternatively spliced transcripts: a shorter secreted form and a longer membrane-bound form. Similarly to myogenin, a marker of early muscle differentiation, mouse meltrin-alpha is expressed in neonatal muscle and bone, and its expression increases dramatically in response to the induction of differentiation. Immunocytochemical localization and functional expression studies suggested that meltrin-alpha may be involved in myotube formation.

Note: This product is for in vitro research use only