

Human A Disintegrin And Metalloprotease 9 (ADAM9) ELISA Kit



Catalog No: #EK7706

Orders: order@signalwayantibody.com

Package Size: #EK7706-1 48T #EK7706-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human A Disintegrin And Metalloprotease 9 (ADAM9) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CORD9; KIAA0021; MCMP; MDC9; Mltng; ADAM metalloproteinase domain 9 a disintegrin and metalloproteinase domain 9 (meltrin gamma) cellular disintegrin-related protein meltrin gamma myeloma cell metall
Accession No.	Q13443
Uniprot	Q13443
GeneID	8754;
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:0.058 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 ADAM9 in samples. An antibody specific for ADAM9 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyADAM9 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADAM9 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 ADAM9 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Disintegrin and metalloproteinase domain-containing protein 9 is a member of the ADAM (a disintegrin and metalloprotease domain) 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.

The protein encoded by this gene interacts with SH3 domain-containing proteins, binds mitotic arrest deficient 2 beta protein, and is also involved in

TPA-induced ectodomain shedding of membrane-anchored heparin-binding EGF-like growth factor. Two alternative splice variants have been identified, encoding distinct isoforms.

Note: This product is for in vitro research use only