

Human A Disintegrin And Metalloprotease 33 (ADAM33) ELISA Kit

Catalog No: #EK7703

Orders: order@signalwayantibody.com

Package Size: #EK7703-1 48T #EK7703-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human A Disintegrin And Metalloprotease 33 (ADAM33) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP5-964F7.2; C20orf153; DJ964F7.1; DKFZp434K0521; FLJ35308; FLJ36751; MGC149823; MGC71889; a disintegrin and metalloprotease 33 a disintegrin and metalloproteinase domain 33 disintegrin and reprolys
Accession No.	Q9BZ11
Uniprot	Q9BZ11
GeneID	80332;
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:0.054 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 ADAM33 in samples. An antibody specific for ADAM33 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyADAM33 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADAM33 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 ADAM33 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**ADAM33 encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. This protein is a type I transmembrane protein implicated in asthma and bronchial hyperresponsiveness. Alternative splicing of this gene results in two transcript variants encoding different isoforms.The 813-amino acid human protein shares 70% identity with the mouse protein. ADAM33 has a domain organization identical to that of previously reported members of the ADAM family, and contains the typical zinc-binding consensus sequence in the metalloprotease domain and a pattern of cysteine localization in the EGF-like domain that is typical of an EGF-like motif. The human protein shows 44% identity with Xenopus ADAM13, 40% with human ADAM19 , and 39% with human ADAM12.

Note: This product is for in vitro research use only