

# Human Disintegrin and metalloproteinase domain-containing protein 22 (ADAM22) ELISA Kit



Catalog No: #EK7702

Orders: order@signalwayantibody.com

Package Size: #EK7702-1 48T #EK7702-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human Disintegrin and metalloproteinase domain-containing protein 22 (ADAM22) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	MDC2; MGC149832; a disintegrin and metalloproteinase domain 22 metalloproteinase-like; disintegrin-like; and cysteine-rich protein 2
Accession No.	Q9P0K1
Uniprot	Q9P0K1
GeneID	53616;
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 ADAM22 in samples. An antibody specific for ADAM22 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyADAM22 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADAM22 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 ADAM22 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**ADAM22 is a member of the ADAM 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.

Three-prime RACE yielded products corresponding to 2 MDC2 mRNAs, MDC2-alpha and -beta, in both mouse and human. MDC2-alpha encodes a predicted 859-amino acid protein. The shorter transcript, MDC2-beta, results from exon skipping and encodes an 823-amino acid protein. The MDC2-alpha protein shares 56% and 51% sequence similarity with MDC and MDC3, respectively.

---

Note: This product is for in vitro research use only