

Human ADAM15 ELISA Kit | ADAM15 elisa kit

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CATALOG #
AAA263015

REACTIVITY
Human

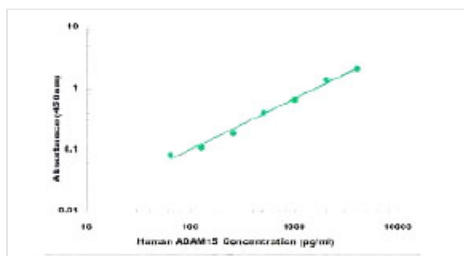
PRODUCT SYNONYMS

ADAM15; Human ADAM15 ELISA Kit; MDC15; Disintegrin and metalloproteinase domain-containing protein 15; ADAM 15; Metalloprotease RGD disintegrin protein; Metalloproteinase-like; disintegrin-like; and cysteine-rich protein 15; MDC-15; Metargidin; ADAM15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human ADAM15 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human ADAM15 proteins within the range of 62.5 pg/ml - 4000 pg/ml.
Sequence Length	824
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<12 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADAM15 elisa kit	Principle of the Assay: The Human ADAM15 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human ADAM15 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human ADAM15 coated on a 96-well plate. Standards and samples are pipetted into the wells and ADAM15 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human ADAM15 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of ADAM15 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background: Disintegrin and metalloproteinase domain-containing protein 15 is an enzyme that in humans is encoded by the ADAM15 gene. The protein encoded by this gene is a member of the ADAM (a disintegrin and metalloproteinase) protein family. ADAM family members are type I transmembrane glycoproteins known to be involved in cell adhesion and proteolytic ectodomain processing of cytokines and adhesion molecules. This protein contains multiple functional domains including a zinc-binding metalloprotease domain, a disintegrin-like domain, as well as an EGF-like domain. Through its disintegrin-like domain, this protein specifically interacts with the integrin beta chain, beta 3. It also interacts with Src family protein-tyrosine kinases in a phosphorylation-dependent manner, suggesting that this protein may function in cell-cell adhesion as well as in cellular signaling. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	387849014
NCBI GeneID	8751
NCBI Accession #	NP_001248393.1
NCBI GenBank Nucleotide #	NM_001261464.1
UniProt Accession #	Q13444; Q13493; Q53XQ0; Q5SR68; Q5SR69; Q6R267; Q71S61; Q71S62; B3KQU5; B4DLB5; B4DMH8; E9PN65
Molecular Weight	68,256 Da
NCBI Official Full Name	disintegrin and metalloproteinase domain-containing protein 15 isoform 7 preproprotein
NCBI Official Synonym Full Names	ADAM metallopeptidase domain 15
NCBI Official Symbol	ADAM15
NCBI Official Synonym Symbols	MDC15
NCBI Protein Information	disintegrin and metalloproteinase domain-containing protein 15
UniProt Protein Name	Disintegrin and metalloproteinase domain-containing protein 15
UniProt Gene Name	ADAM15
UniProt Synonym Gene Names	MDC15; ADAM 15; MDC-15
UniProt Entry Name	ADA15_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.