

Bovine A Disintegrin And Metalloprotease ELISA Kit | ADAM elisa kit

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CATALOG #
AAA89088

REACTIVITY
Bovine

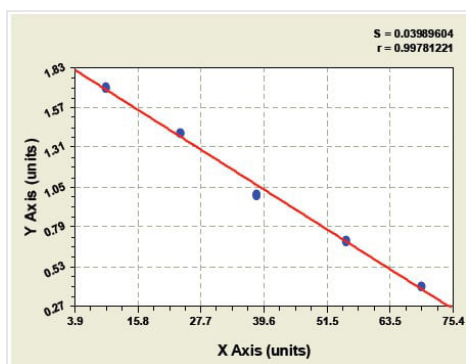
PRODUCT SYNONYMS

A Disintegrin And Metalloprotease; Bovine A Disintegrin And Metalloprotease ELISA Kit; ADAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This CXCR4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CXCR4. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADAM elisa kit

Principle of the Assay: CXCR4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CXCR4 antibody and an CXCR4-HRP conjugate. The assay sample and buffer are incubated together with CXCR4-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CXCR4 concentration since CXCR4 from samples and CXCR4-HRP conjugate compete for the anti-CXCR4 antibody binding site. Since the number of sites is limited, as more sites are occupied by CXCR4 from the sample, fewer sites are left to bind CXCR4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CXCR4 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ADAM elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	133778949
NCBI GeneID	108153
NCBI Accession #	NP_001003911.2
NCBI GenBank Nucleotide #	NM_001003911.2
Molecular Weight	177,712 Da
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 7
NCBI Official Synonym Full Names	a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 7
NCBI Official Symbol	Adamts7
NCBI Official Synonym Symbols	ADAM-TS7; ADAMTS7B
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 7; COMPase; ADAMTS-7; ADAM-TS 7; metalloproteinase; a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 7
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 7
UniProt Gene Name	Adamts7
UniProt Synonym Gene Names	ADAM-TS 7; ADAM-TS7; ADAMTS-7
UniProt Entry Name	ATS7_MOUSE

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.

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