

Canine A Disintegrin And Metalloprotease 10 ELISA Kit | ADAM10 elisa kit

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CATALOG #
AAA89987

REACTIVITY
Canine

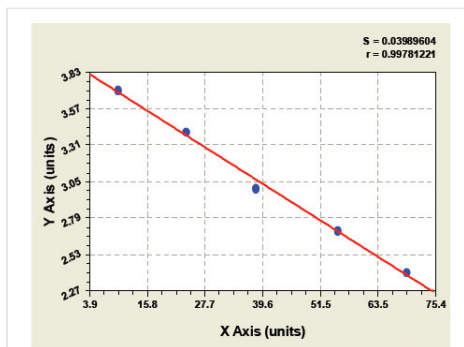
PRODUCT SYNONYMS

A Disintegrin And Metalloprotease 10; Canine A Disintegrin And Metalloprotease 10 ELISA Kit; ADAM10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This ADAM10 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ADAM10. 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 ADAM10 elisa kit

Principle of the Assay: ADAM10 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ADAM10 antibody and an ADAM10-HRP conjugate. The assay sample and buffer are incubated together with ADAM10-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 ADAM10 concentration since ADAM10 from samples and ADAM10-HRP conjugate compete for the anti-ADAM10 antibody binding site. Since the number of sites is limited, as more sites are occupied by ADAM10 from the sample, fewer sites are left to bind ADAM10-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADAM10 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2393947
NCBI GeneID	102
Molecular Weight	84,142 Da
NCBI Official Full Name	ADAM10
NCBI Official Synonym Full Names	ADAM metalloproteinase domain 10
NCBI Official Symbol	ADAM10
NCBI Official Synonym Symbols	RAK; kuz; AD10; AD18; MADM; CD156c; HsT18717
NCBI Protein Information	disintegrin and metalloproteinase domain-containing protein 10; CDw156; kuzbanian protein homolog; mammalian disintegrin-metalloprotease; a disintegrin and metalloprotease domain 10
UniProt Protein Name	Disintegrin and metalloproteinase domain-containing protein 10
UniProt Gene Name	ADAM10
UniProt Synonym Gene Names	KUZ; MADM; ADAM 10
UniProt Entry Name	ADA10_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.

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Online datasheet: <https://stage.aaabiotech.com/adam10-canine-elisa-kits/a-disintegrin-and-metalloprotease-10/89987>