

Canine Von Willebrand Factor cleaving protease ELISA Kit | ADAMTS13/vWF-cp elisa kit

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CATALOG #
AAA88524

REACTIVITY
Canine

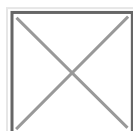
PRODUCT SYNONYMS

Von Willebrand Factor cleaving protease; Canine Von Willebrand Factor cleaving protease ELISA Kit; ADAMTS13/vWF-cp elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of vWF-CP. No significant cross-reactivity or interference between vWF-CP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between vWF-CP and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADAMTS13/vWF-cp elisa kit

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

Intended Uses: This vWF-CP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine vWF-CP. This ELISA kit for research use only, not for therapeutic or test applications!

Product Categories/Family for ADAMTS13/vWF-cp elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	73695936
NCBI GeneID	11093
NCBI Accession #	NP_620596.2
NCBI GenBank Nucleotide #	NM_139027.4
Molecular Weight	39,864 Da
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 13 isoform 2 preproprotein
NCBI Official Synonym Full Names	ADAM metallopeptidase with thrombospondin type 1 motif, 13
NCBI Official Symbol	ADAMTS13
NCBI Official Synonym Symbols	VWFCP; C9orf8; vWF-CP; ADAM-TS13; ADAMTS-13
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 13; vWF-cleaving protease; von Willebrand factor-cleaving protease; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 13
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 13
UniProt Gene Name	ADAMTS13
UniProt Synonym Gene Names	C9orf8; UNQ6102/PRO20085; ADAM-TS 13; ADAM-TS13; ADAMTS-13; vWF-CP; vWF-cleaving protease
UniProt Entry Name	ATS13_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/adamts13-vwf-cp-canine-elisa-kits/von-willebrand-factor-cleaving-protease/88524>