

Human von Willebrand Factor antigen, vWF:Ag ELISA Kit | VWF elisa kit

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CATALOG #
AAA16645

REACTIVITY
Human

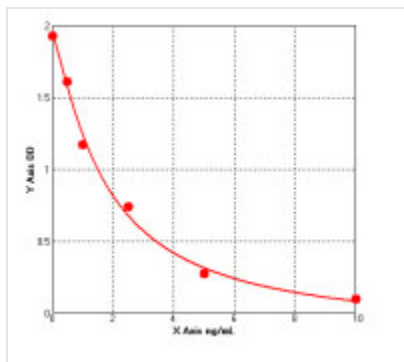
PRODUCT SYNONYMS

von Willebrand Factor antigen; vWF:Ag; Human von Willebrand Factor antigen; vWF:Ag ELISA Kit; vWF:Ag ELISA Kit (Human); VWF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of vWF:Ag. No significant cross-reactivity or interference between vWF:Ag and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between vWF:Ag 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	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VWF elisa kit	Principle of the Assay: vWFAg ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-vWFAg antibody and an vWFAg-HRP conjugate. The assay sample and buffer are incubated together with vWFAg-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 vWFAg concentration since vWFAg from samples and vWFAg-HRP conjugate compete for the anti-vWFAg antibody binding site. Since the number of sites is limited, as more sites are occupied by vWFAg from the sample, fewer sites are left to bind vWFAg-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The vWFAg concentration in each sample is interpolated from this standard curve. Intended Uses: This vWFAg ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human vWFAg. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for VWF elisa kit	Human ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	86129842
NCBI GeneID	22371
UniProt Accession #	Q2I0J7; Q2I0J8; Q3TD35; Q3TPE1; Q3U017; Q8CIZ8; Q9WUQ6
Molecular Weight	309,102 Da
NCBI Official Full Name	VWF
NCBI Official Synonym Full Names	Von Willebrand factor homolog
NCBI Official Symbol	Vwf
NCBI Official Synonym Symbols	VWD; F8VWF; AI551257; C630030D09; 6820430P06Rik; B130011O06Rik
NCBI Protein Information	von Willebrand factor; OTTMUSP00000025031
UniProt Protein Name	VWF
UniProt Gene Name	Vwf
UniProt Entry Name	Q2I0J7_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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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/von-willebrand-factor-antigen-vwfag/16645>