

Canine Vinculin ELISA Kit | VCL elisa kit

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CATALOG #
AAA90616

REACTIVITY
Canine

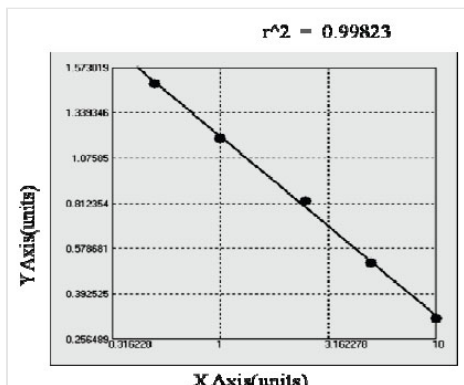
PRODUCT SYNONYMS

Vinculin; Canine Vinculin ELISA Kit; VCL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This VCL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine VCL. 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 VCL elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	246714
NCBI GeneID	7414
Molecular Weight	24,904 Da
NCBI Official Full Name	vinculin, partial
NCBI Official Synonym Full Names	vinculin
NCBI Official Symbol	VCL
NCBI Official Synonym Symbols	MV; MVCL; CMD1W; CMH15; HEL114
NCBI Protein Information	vinculin; metavinculin; epididymis luminal protein 114
UniProt Protein Name	Vinculin
UniProt Gene Name	VCL
UniProt Synonym Gene Names	MV
UniProt Entry Name	VINC_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://www.aaabiotech.com/vcl-canine-elisa-kits/vinculin/90616>