

Sheep Vinculin ELISA Kit | VCL elisa kit

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CATALOG #
AAA91792

REACTIVITY
Sheep

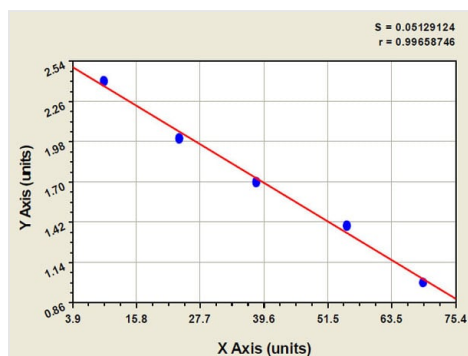
PRODUCT SYNONYMS

Vinculin; Sheep Vinculin ELISA Kit; VCL elisa kit

PRODUCT SPECIFICATIONS

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

Product Categories/Family for VCL elisa kit

[Signal Transduction](#)

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-sheep-elisa-kits/vinculin/91792>