

## Human VCL ELISA Kit | VCL elisa kit

Human VCL (Vinculin) ELISA Kit

CATALOG #  
**AAA163424**

REACTIVITY  
**Human**

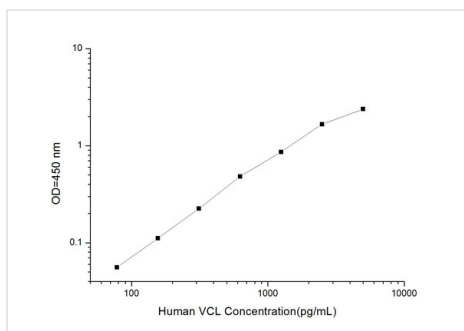
### PRODUCT SYNONYMS

VCL; Human VCL (Vinculin) ELISA Kit; VCL elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                |
| Specificity             | This kit recognizes natural and recombinant Human VCL. No significant cross-reactivity or interference between Human VCL and analogues was observed. |
| Sequence Length         | 1066                                                                                                                                                 |
| Samples                 | Serum, Plasma, Biological Fluids                                                                                                                     |
| Assay Type              | Sandwich                                                                                                                                             |
| Detection Range         | 78.125-5000pg/mL                                                                                                                                     |
| Sensitivity             | Min: 46.875pg/mL; Max: 5000pg/mL                                                                                                                     |
| Preparation and Storage | Store at 4 degree C.                                                                                                                                 |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for VCL elisa kit | <p>Intended Uses  This ELISA kit applies to the in vitro quantitative determination of Human VCL concentrations in serum, plasma and other biological fluids.</p> <p>Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to VCL. Standards or samples are added to the appropriate micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for VCL and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain VCL, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of VCL. You can calculate the concentration of VCL in the samples by comparing the OD of the samples to the standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 4507877                                                |
| NCBI GeneID                      | 7414                                                   |
| NCBI Accession #                 | NP_003364.1                                            |
| NCBI GenBank Nucleotide #        | NM_003373.3                                            |
| UniProt Accession #              | P18206; Q16450; Q5SWX2; Q7Z3B8; Q8IXU7                 |
| Molecular Weight                 | 24,904 Da                                              |
| NCBI Official Full Name          | vinculin isoform VCL                                   |
| NCBI Official Synonym Full Names | vinculin                                               |
| NCBI Official Symbol             | VCL                                                    |
| NCBI Official Synonym Symbols    | MV; MVCL; CMD1W; CMH15; HEL114                         |
| NCBI Protein Information         | vinculin; epididymis luminal protein 114; metavinculin |
| 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.