

Human VCP (valosin-containing protein) ELISA Kit | VCP elisa kit

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CATALOG #
AAA248939

REACTIVITY
Human

PRODUCT SYNONYMS

VCP (valosin-containing protein); Human VCP (valosin-containing protein) ELISA Kit; VCP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of UNC5C. No significant cross-reactivity or interference between UNC5C and analogues was observed.
Sequence Length	307
Assay Type	Sandwich ELISA, Double Antibody
Samples	cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level UNC5C were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level UNC5C were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a VCP ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A: not applicable)

X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.015	0.074	0.135	0.243	0.447	0.93	1.649	2.446

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VCP elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-UNC5C antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-UNC5C antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the UNC5C amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of UNC5C can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11095436
NCBI GeneID	7415
Molecular Weight	89,322 Da
NCBI Official Full Name	valosin-containing protein, partial
NCBI Official Synonym Full Names	valosin containing protein
NCBI Official Symbol	VCP
NCBI Official Synonym Symbols	p97; TERA; CDC48
NCBI Protein Information	transitional endoplasmic reticulum ATPase
UniProt Protein Name	Transitional endoplasmic reticulum ATPase
UniProt Gene Name	VCP
UniProt Synonym Gene Names	TER ATPase; VCP

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/vcp-valosin-containing-protein/248939>