

Human valosin-containing protein ELISA Kit | VCP elisa kit

Human Transitional endoplasmic reticulum ATPase, VCP ELISA Kit

CATALOG #
AAA112973

REACTIVITY
Human

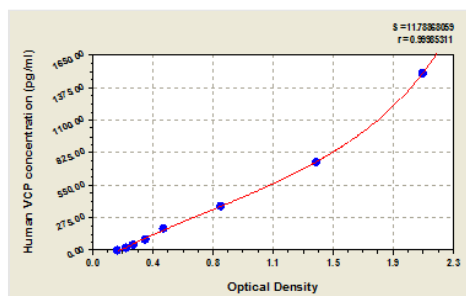
PRODUCT SYNONYMS

valosin-containing protein; Human Transitional endoplasmic reticulum ATPase; VCP ELISA Kit; Human Transitional endoplasmic reticulum ATPase (VCP) ELISA kit; IBMPFD; MGC131997; MGC148092; MGC8560; TERA; p97; transitional endoplasmic reticulum ATPase; yeast Cdc48p homolog; VCP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human VCP. No significant cross-reactivity or interference between human VCP and analogues was observed.
Sequence Length	806
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	23.44 pg/ml -1500 pg/ml.
Sensitivity	The minimum detectable dose of human VCP is typically less than 5.86 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VCP elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for VCP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any VCP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for VCP is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of VCP bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6005942
NCBI GeneID	7415
NCBI Accession #	NP_009057.1
NCBI GenBank Nucleotide #	NM_007126.3
UniProt Accession #	P55072; Q0V924; Q2TAI5; Q969G7; Q9UCD5; B2R5T8
Molecular Weight	89,322 Da
NCBI Official Full Name	transitional endoplasmic reticulum ATPase
NCBI Official Synonym Full Names	valosin containing protein
NCBI Official Symbol	VCP
NCBI Official Synonym Symbols	p97; TERA; ALS14; IBMPFD; HEL-220; IBMPFD1; HEL-S-70
NCBI Protein Information	transitional endoplasmic reticulum ATPase; TER ATPase; yeast Cdc48p homolog; valosin-containing protein; 15S Mg(2+)-ATPase p97 subunit; epididymis luminal protein 220; epididymis secretory protein Li 70
UniProt Protein Name	Transitional endoplasmic reticulum ATPase
UniProt Gene Name	VCP
UniProt Synonym Gene Names	TER ATPase; VCP
UniProt Entry Name	TERA_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/vcp-human-elisa-kits/valosin-containing-protein/112973>