

Human Major Vault Protein (MVP) ELISA Kit | MVP elisa kit

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CATALOG #
AAA23013

REACTIVITY
Human

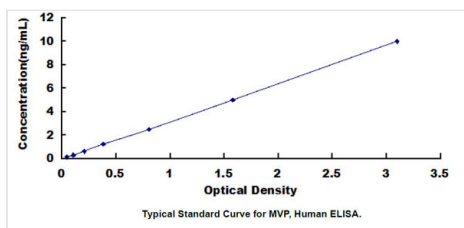
PRODUCT SYNONYMS

Major Vault Protein (MVP); Human Major Vault Protein (MVP) ELISA Kit; LRP; VAULT1; Lung resistance-related protein; MVP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MVP. No significant cross-reactivity or interference between MVP and analogues was observed.
Sequence Length	849
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MVP were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MVP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MVP elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MVP. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MVP. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain MVP, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of MVP in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	147903423
NCBI GeneID	379630
NCBI Accession #	NP_001079939.1
NCBI GenBank Nucleotide #	NM_001086470.1
UniProt Accession #	Q6PF69
Molecular Weight	95,670 Da
NCBI Official Full Name	major vault protein
NCBI Official Synonym Full Names	major vault protein L homeolog
NCBI Official Symbol	mvp.L
NCBI Official Synonym Symbols	mvp
NCBI Protein Information	major vault protein
UniProt Protein Name	Major vault protein
UniProt Gene Name	mvp
UniProt Synonym Gene Names	MVP

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.