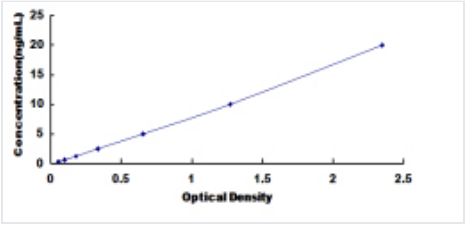
Cytovillin (CVL) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Cytovillin (CVL), ELISA Kit
Full Product Name	Human Cytovillin (CVL) ELISA Kit
Product Gene Name	CVL elisa kit
Product Synonym Names	EZR; Ezrin; VIL2; CVIL; CVL; Villin 2; p81
Species Reactivity	Human
Assay Type	Sandwich
Samples	Tissue homogenates, cell lysates and other biological fluids.
Detection Range	0.312-20ng/mL
Sensitivity	0.114ng/mL
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.
Molecular Weight	69,413 Da
OMIM	X51521 mRNA
3D Structure	ModBase 3D Structure for P15311
Intra Assay	CV<10%
Inter Assay	CV<12%
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for CVL elisa kit	MBS455084 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Cytovillin (CVL) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CVL. The ELISA analytical biochemical technique of the MBS455084 kit is based on CVL antibody-CVL antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CVL antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CVL. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of CVL elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Typical Testing Data/Standard Curve (for reference only) of CVL elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CVL. It may not necessarily be applicable to this product.

NCBI GI #	161702986
NCBI GeneID	7430
NCBI Accession #	NP_001104547.1
UniProt Primary Accession #	P15311
UniProt Secondary Accession #	P23714; Q4VX75; Q96CU8; Q9NSJ4; E1P5A8
UniProt Related Accession #	P15311
GenBank Nucleotide #	NM_001111077.1
NCBI Official Full Name	ezrin
NCBI Official Synonym Full Names	ezrin
NCBI Official Symbol	EZR
NCBI Official Synonym Symbols	CVL; CVIL; VIL2; HEL-S-105
UniProt Protein Name	Ezrin
UniProt Synonym Protein Names	Cytovillin; Villin-2; p81
UniProt Gene Name	EZR
UniProt Synonym Gene Names	VIL2
NCBI Protein Information	ezrin
NCBI Summary for CVL	The cytoplasmic peripheral membrane protein encoded by this gene functions as a protein-tyrosine kinase substrate in microvilli. As a member of the ERM protein family, this protein serves as an intermediate between the plasma membrane and the actin cytoskeleton. This protein plays a key role in cell surface structure adhesion, migration and organization, and it has been implicated in various human cancers. A pseudogene located on chromosome 3 has been identified for this gene. Alternatively spliced variants have also been described for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for CVL	Probably involved in connections of major cytoskeletal structures to the plasma membrane. In epithelial cells, required for the formation of microvilli and membrane ruffles on the apical pole. Along with PLEKHG6, required for normal macropinocytosis.
Research Articles on CVL	**1.** Phosphorylation of ezrin together with its binding to phosphatidylinositol-4,5-bisphosphate tethers the F508del CFTR to the actin cytoskeleton, stabilizing it on the apical membrane and rescuing the sub-membrane compartmentalization of cAMP and activated PKA.
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