Cyclophilin B (CYPB) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Cyclophilin B (CYPB), ELISA Kit
Full Product Name	Human Cyclophilin B (CYPB) ELISA Kit
Product Gene Name	CYPB elisa kit
Product Synonym Names	ACT-A1; ASMA; CFTD; CFTD1; CFTDM; MPFD; NEM1; NEM2; NEM3
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma and other biological fluids.
Detection Range	78.125-5000pg/mL
Sensitivity	32pg/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	23,743 Da
OMIM	M63573 mRNA
3D Structure	ModBase 3D Structure for P23284
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 CYPB elisa kit	MBS455293 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Cyclophilin B (CYPB) 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 CYPB. The ELISA analytical biochemical technique of the MBS455293 kit is based on CYPB antibody-CYPB antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CYPB antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CYPB. 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 CYPB 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.

ADDITIONAL DETAILS

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

NCBI GI #	4758950
NCBI GeneID	5479
NCBI Accession #	NP_000933.1
UniProt Primary Accession #	P23284
UniProt Secondary Accession #	Q6IBH5; Q9BVK5; A8K534

UniProt Related Accession #	P23284
GenBank Nucleotide #	NM_000942.4
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase B
NCBI Official Synonym Full Names	peptidylprolyl isomerase B
NCBI Official Symbol	PPIB
NCBI Official Synonym Symbols	OI9; CYPB; SCYLP; CYP-S1; HEL-S-39
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase B
UniProt Synonym Protein Names	CYP-S1; Cyclophilin B; Rotamase B; S-cyclophilin; SCYLP
Protein Family	Bifunctional cytochrome P450/NADPH--P450 reductase
UniProt Gene Name	PPIB
UniProt Synonym Gene Names	CYPB; PPIase B; SCYLP
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase B
NCBI Summary for CYPB	The protein encoded by this gene is a cyclosporine-binding protein and is mainly located within the endoplasmic reticulum. It is associated with the secretory pathway and released in biological fluids. This protein can bind to cells derived from T- and B-lymphocytes, and may regulate cyclosporine A-mediated immunosuppression. Variants have been identified in this protein that give rise to recessive forms of osteogenesis imperfecta. [provided by RefSeq, Oct 2009]
UniProt Comments for CYPB	PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.
Research Articles on CYPB	**1.** This study enhances our knowledge about the mutational pattern of the LEPRE1, CRTAP, and PPIB genes. LEPRE1 should be the first gene analyzed in mutation detection studies in patients with recessive OI.
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