

Human FK506 Binding Protein 5 (FKBP5) ELISA Kit | FKBP5 elisa kit

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CATALOG #
AAA66066

REACTIVITY
Human

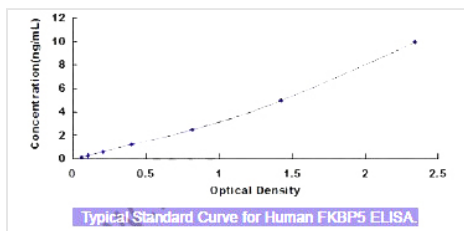
PRODUCT SYNONYMS

FK506 Binding Protein 5 (FKBP5); Human FK506 Binding Protein 5 (FKBP5) ELISA Kit; P54 FKBP51 FKBP54 Ptg-10 Rotamase 51 kDa FK506-binding protein 54 kDa progesterone receptor-associated Androgen-regulated protein 6 HSP90-binding immunophilin; FKBP5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of FKBP5. No significant cross-reactivity or interference between FKBP5 and analogues was observed.
Sequence Length	457
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.061ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FKBP5 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 FKBP5 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FKBP5 elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of FKBP5 in human serum, plasma, tissue homogenates, and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to FKBP5. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to FKBP5. 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 FKBP5, 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 FKBP5 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 #	224809327
NCBI GeneID	2289
NCBI Accession #	NP_001139247.1
NCBI GenBank Nucleotide #	NM_001145775.2
UniProt Accession #	Q13451; Q59EB8; Q5TGM6; F5H7R1
Molecular Weight	30,032 Da
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase FKBP5 isoform 1
NCBI Official Synonym Full Names	FK506 binding protein 5
NCBI Official Symbol	FKBP5
NCBI Official Synonym Symbols	P54; AIG6; FKBP51; FKBP54; PPlase; Ptg-10
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase FKBP5
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase FKBP5
UniProt Gene Name	FKBP5
UniProt Synonym Gene Names	AIG6; FKBP51; PPlase FKBP5; 51 kDa FKBP; FKBP-51; FKBP-5; p54

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.