

Mouse Forkhead Box Protein P1 ELISA Kit | FOXP1 elisa kit

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CATALOG #
AAA86166

REACTIVITY
Mouse

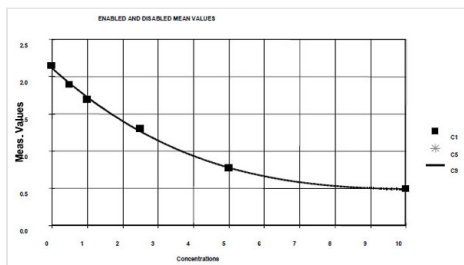
PRODUCT SYNONYMS

Forkhead Box Protein P1; Mouse Forkhead Box Protein P1 ELISA Kit; FOXP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FOXP1 elisa kit	For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma Intended Uses: This FOXP1 ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of FOXP1 in the sample, this FOXP1 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus FOXP1 concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve. Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of FOXP1 utilizes a multiclonal anti-FOXP1 antibody and an FOXP1-HRP conjugate. The assay sample and buffer are incubated together with FOXP1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the FOXP1 concentration since FOXP1 from samples and FOXP1-HRP conjugate compete for the anti-FOXP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by FOXP1 from the sample, fewer sites are left to bind FOXP1-HRP conjugate. Standards of known FOXP1 concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of FOXP1. The FOXP1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for FOXP1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	18644886
NCBI GeneID	27086
NCBI Accession #	NP_116071.2
NCBI GenBank Nucleotide #	NM_032682.5
Molecular Weight	75,246 Da
NCBI Official Full Name	forkhead box protein P1 isoform 1
NCBI Official Synonym Full Names	forkhead box P1
NCBI Official Symbol	FOXP1
NCBI Official Synonym Symbols	QRF1; 12CC4; hFKH1B; HSPC215
NCBI Protein Information	forkhead box protein P1; glutamine-rich factor 1; fork head-related protein like B
UniProt Protein Name	Forkhead box protein P1
UniProt Gene Name	FOXP1
UniProt Synonym Gene Names	HSPC215
UniProt Entry Name	FOXP1_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.