

Rat Forkhead Box Protein P3 (FOXP3) ELISA Kit | FOXP3 elisa kit

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CATALOG #
AAA63301

REACTIVITY
Rat

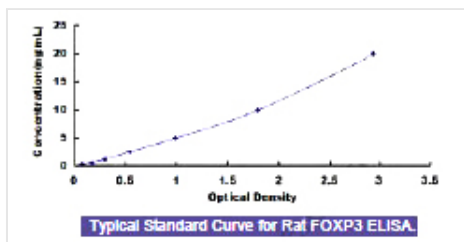
PRODUCT SYNONYMS

Forkhead Box Protein P3 (FOXP3); Rat Forkhead Box Protein P3 (FOXP3) ELISA Kit; FOX-P3; AIID; DIETER; IPEX; JM2; PIDX; XPID; SCURFIN; Immune Dysregulation; Polyendocrinopathy; Enteropathy; X-Linked; FOXP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of FOXP3. No significant cross-reactivity or interference between FOXP3 and analogues was observed.
Sequence Length	488
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.115ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FOXP3 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 FOXP3 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 FOXP3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of FOXP3 in rat tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to FOXP3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to FOXP3. 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 FOXP3, 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 FOXP3 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 #	564398701
NCBI GeneID	317382
NCBI Accession #	XP_006256793.1
NCBI GenBank Nucleotide #	XP_006256793.1
UniProt Accession #	D4Q8I2
Molecular Weight	53,932 Da
NCBI Official Full Name	forkhead box protein P3 isoform X1
NCBI Official Synonym Full Names	forkhead box P3
NCBI Official Symbol	Foxp3
NCBI Official Synonym Symbols	RGD1562112
NCBI Protein Information	forkhead box protein P3
UniProt Protein Name	Forkhead box P3 isoform 2
UniProt Gene Name	Foxp3

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.