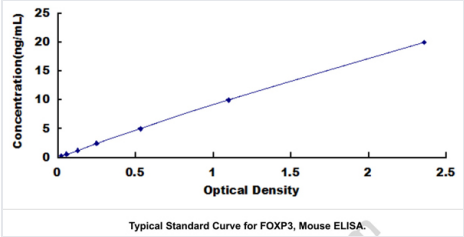
Forkhead Box P3 (FOXP3) ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	Forkhead Box P3 (FOXP3), ELISA Kit
Full Product Name	Mouse Forkhead Box P3 (FOXP3) (Sandwich ELISA) Mini sample ELISA Kit
Product Gene Name	FOXP3 elisa kit
Product Synonym Names	FOX-P3; AIID; DIETER; IPEX; JM2; PIDX; XPID; SCURFIN; Forkhead Box Protein P3; Immune Dysregulation,Polyendocrinopathy,Enteropathy,X-Linked; Mini Samples ELISA Kit for Forkhead Box P3 (FOXP3)
Species Reactivity	Mouse
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.123ng/mL
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.
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year
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%
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%
Molecular Weight	47,346 Da
3D Structure	ModBase 3D Structure for Q99JB6
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Product Categories/Family for FOXP3 elisa kit	Signal transduction
ISO Certification	Manufactured in an ISO 9001:2008 and ISO 13485:2003 Certified Laboratory.
Related Product Information for FOXP3 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to FOXP3. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of FOXP3 in mouse tissue homogenates, cell lysates and other biological fluids.
Other Notes	Small volumes of FOXP3 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.

Searchable Terms for FOXP3 purchase	MBS2710117 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Forkhead Box P3 (FOXP3) 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 FOXP3. The ELISA analytical biochemical technique of the MBS2710117 kit is based on FOXP3 antibody-FOXP3 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect FOXP3 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, FOXP3. 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(%).



Typical Testing Data/Standard Curve (for reference only) of FOXP3 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FOXP3. It may not necessarily be applicable to this product.

NCBI GI #	313569800
NCBI GeneID	20371
NCBI Accession #	NP_001186276
UniProt Primary Accession #	Q99JB6
UniProt Related Accession #	Q99JB6
GenBank Nucleotide #	NM_001199347
NCBI Official Full Name	forkhead box protein P3
NCBI Official Synonym Full Names	forkhead box P3
NCBI Official Symbol	Foxp3
NCBI Official Synonym Symbols	sf; JM2; scurfin
UniProt Protein Name	Forkhead box protein P3
UniProt Synonym Protein Names	Scurfin
Protein Family	Forkhead box protein
UniProt Gene Name	Foxp3
UniProt Entry Name	FOXP3_MOUSE
NCBI Protein Information	forkhead box protein P3; scurfy
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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