

Rat Forkhead Box Protein P3 ELISA Kit | FOXP3 elisa kit

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CATALOG #
AAA16115

REACTIVITY
Rat

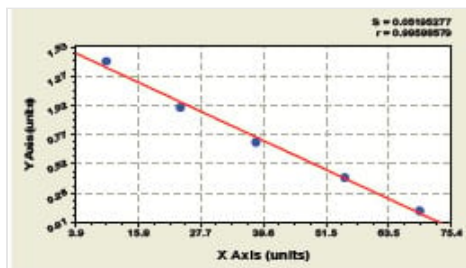
PRODUCT SYNONYMS

Forkhead Box Protein P3; Rat Forkhead Box Protein P3 ELISA Kit; FOXP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This FOXP3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat FOXP3. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FOXP3 elisa kit

Principle of the Assay: FOXP3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-FOXP3 antibody and an FOXP3-HRP conjugate. The assay sample and buffer are incubated together with FOXP3-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 FOXP3 concentration since FOXP3 from samples and FOXP3-HRP conjugate compete for the anti-FOXP3 antibody binding site. Since the number of sites is limited, as more sites are occupied by FOXP3 from the sample, fewer sites are left to bind FOXP3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FOXP3 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for FOXP3 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	167466190
NCBI GeneID	50943
NCBI Accession #	NP_001107849.1
NCBI GenBank Nucleotide #	NM_001114377.1
Molecular Weight	44,407 Da
NCBI Official Full Name	forkhead box protein P3 isoform b
NCBI Official Synonym Full Names	forkhead box P3
NCBI Official Symbol	FOXP3
NCBI Official Synonym Symbols	JM2; AIID; IPEX; PIDX; XPID; DIETER
NCBI Protein Information	forkhead box protein P3; scurfin; FOXP3delta7; immunodeficiency, polyendocrinopathy, enteropathy, X-linked; immune dysregulation, polyendocrinopathy, enteropathy, X-linked
UniProt Protein Name	Forkhead box protein P3
UniProt Gene Name	FOXP3
UniProt Synonym Gene Names	IPEX; JM2
UniProt Entry Name	FOXP3_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.

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Online datasheet: <https://stage.aaabiotech.com/foxp3-rat-elisa-kits/forkhead-box-protein-p3/16115>