

Canine Forkhead Box Protein P3 ELISA Kit | FOXP3 elisa kit

Canine Forkhead Box Protein P3 ELISA Kit

CATALOG #
AAA92466

REACTIVITY
Canine

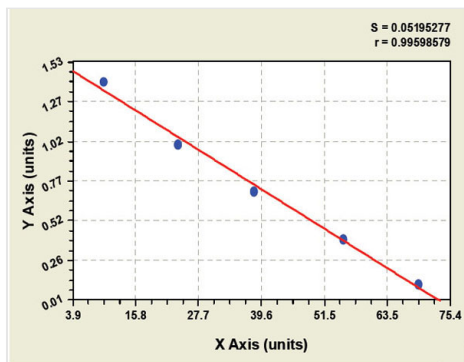
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
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 Canine 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.

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.