

Canine Forkhead Box Protein O3 ELISA Kit | FOXO3 elisa kit

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CATALOG #
AAA92003

REACTIVITY
Canine

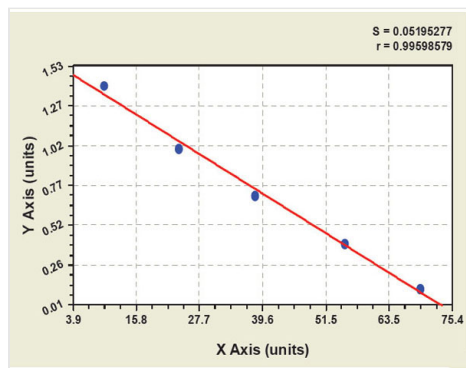
PRODUCT SYNONYMS

Forkhead Box Protein O3; Canine Forkhead Box Protein O3 ELISA Kit; FOXO3 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 FOXO3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine FOXO3. 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 FOXO3 elisa kit

Principle of the assay: FOXO3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-FOXO3 antibody and an FOXO3-HRP conjugate. The assay sample and buffer are incubated together with FOXO3-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 FOXO3 concentration since FOXO3 from samples and FOXO3-HRP conjugate compete for the anti-FOXO3 antibody binding site. Since the number of sites is limited, as more sites are occupied by FOXO3 from the sample, fewer sites are left to bind FOXO3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FOXO3 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	42519916
NCBI GeneID	2309
NCBI Accession #	NP_963853.1
NCBI GenBank Nucleotide #	NM_201559.2
Molecular Weight	71,277 Da
NCBI Official Full Name	forkhead box protein O3
NCBI Official Synonym Full Names	forkhead box O3
NCBI Official Symbol	FOXO3
NCBI Official Synonym Symbols	FOXO2; AF6q21; FKHL1; FOXO3A; FKHL1P2
NCBI Protein Information	forkhead box protein O3; forkhead box O3A; forkhead in rhabdomyosarcoma-like 1; forkhead homolog (rhabdomyosarcoma) like 1; forkhead, Drosophila, homolog of, in rhabdomyosarcoma-like 1
UniProt Protein Name	Forkhead box protein O3
UniProt Gene Name	FOXO3
UniProt Synonym Gene Names	FKHL1; FOXO3A
UniProt Entry Name	FOXO3_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.