

Chicken Forkhead Box Protein O3 ELISA Kit | FOXO3 elisa kit

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CATALOG #
AAA88686

REACTIVITY
Chicken

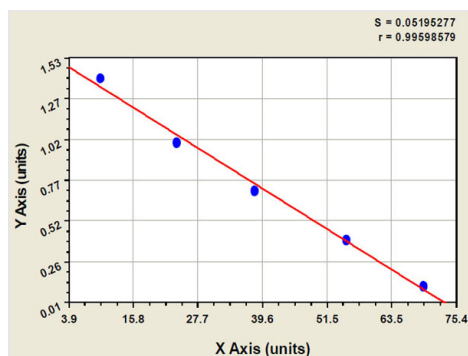
PRODUCT SYNONYMS

Forkhead Box Protein O3; Chicken Forkhead Box Protein O3 ELISA Kit; FOXO3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This FOXO3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken 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.

Product Categories/Family for FOXO3 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	42519916
NCBI GeneID	2309
NCBI Accession #	NP_963853.1
NCBI GenBank Nucleotide #	NM_201559.2
UniProt Accession #	O43524; O15171; Q5T2I7; Q9BZ04; E1P5E6; Q68DV3
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; FKHRL1; FOXO3A; FKHRL1P2
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	FKHRL1; 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.

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Online datasheet: <https://stage.aaabiotech.com/foxo3-chicken-elisa-kits/forkhead-box-protein-o3/88686>