

Sheep Forkhead Box Protein O1 ELISA Kit | FOXO1 elisa kit

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CATALOG #
AAA96266

REACTIVITY
Sheep

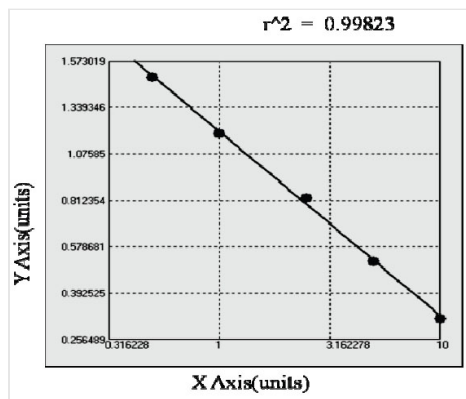
PRODUCT SYNONYMS

Forkhead Box Protein O1; Sheep Forkhead Box Protein O1 ELISA Kit; FOXO1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This FOXO1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep FOXO1. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FOXO1 elisa kit	Principle of the Assay: FOXO1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-FOXO1 antibody and an FOXO1-HRP conjugate. The assay sample and buffer are incubated together with FOXO1-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 FOXO1 concentration since FOXO1 from samples and FOXO1-HRP conjugate compete for the anti-FOXO1 antibody binding site. Since the number of sites is limited, as more sites are occupied by FOXO1 from the sample, fewer sites are left to bind FOXO1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FOXO1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for FOXO1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	9257222
NCBI GeneID	2308
NCBI Accession #	NP_002006.2
NCBI GenBank Nucleotide #	NM_002015.3
Molecular Weight	69,662 Da
NCBI Official Full Name	forkhead box protein O1
NCBI Official Synonym Full Names	forkhead box O1
NCBI Official Symbol	FOXO1
NCBI Official Synonym Symbols	FKH1; FKHR; FOXO1A
NCBI Protein Information	forkhead box protein O1; forkhead box protein O1A; forkhead, Drosophila, homolog of, in rhabdomyosarcoma
UniProt Protein Name	Forkhead box protein O1
UniProt Gene Name	FOXO1
UniProt Synonym Gene Names	FKHR; FOXO1A
UniProt Entry Name	FOXO1_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.