

Human forkhead box O3 ELISA Kit | FOXO3 elisa kit

Human forkhead box O3, FOXO3 ELISA Kit

CATALOG #
AAA79725

REACTIVITY
Human

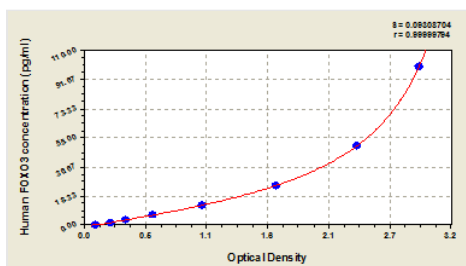
PRODUCT SYNONYMS

forkhead box O3; Human forkhead box O3; FOXO3 ELISA Kit; AF6q21; DKFZp781A0677; FKHL1; FKHL1P2; FOXO2; FOXO3A; MGC12739; MGC31925; forkhead box O3A; forkhead homolog (rhabdomyosarcoma) like 1; forkhead; Drosophila; homolog of; in rhabdomyosarcoma-like 1; FOXO3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human FOXO3. No significant cross-reactivity or interference between Human FOXO3 and analogues was observed.
Sequence Length	673
Samples	Serum, plasma, tissue homogenates, Cell lysates
Detection Range	1.56 pg/ml -100 pg/ml
Sensitivity	0.39 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Apoptosis/Autophagy
Protein Biological Process 3	Apoptosis
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FOXO3 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to FOXO3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for FOXO3 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain FOXO3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of FOXO3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503739
NCBI GeneID	2309
NCBI Accession #	NP_001446.1
NCBI GenBank Nucleotide #	NM_001455.3
UniProt Accession #	O43524; O15171; Q5T2I7; Q9BZ04; E1P5E6
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.