

Human Forkhead Box Protein O3 (FOXO3) ELISA Kit | FOXO3 elisa kit

Human Forkhead Box Protein O3 (FOXO3) ELISA Kit

CATALOG #
AAA188128

REACTIVITY
Human

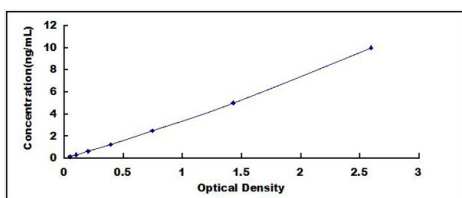
PRODUCT SYNONYMS

Forkhead Box Protein O3 (FOXO3); Human Forkhead Box Protein O3 (FOXO3) ELISA Kit; FOX-O3; FOX2; FOXO3A; FKHL1; FKHL1P2; AF6q21 protein; Forkhead in rhabdomyosarcoma-like 1; FOXO3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Forkhead Box Protein O3 (FOXO3). No significant cross-reactivity or interference between Forkhead Box Protein O3 (FOXO3) and analogues was observed.
Sequence Length	673
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.054ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Forkhead Box Protein O3 (FOXO3) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Forkhead Box Protein O3 (FOXO3) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FOXO3 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Forkhead Box Protein O3 (FOXO3). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Forkhead Box Protein O3 (FOXO3). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Forkhead Box Protein O3 (FOXO3), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Forkhead Box Protein O3 (FOXO3) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503739
NCBI GeneID	2309
NCBI Accession #	NP_001446.1
NCBI GenBank Nucleotide #	NP_001446.1
UniProt Accession #	O43524
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
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.