

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

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CATALOG #
AAA63298

REACTIVITY
Mouse

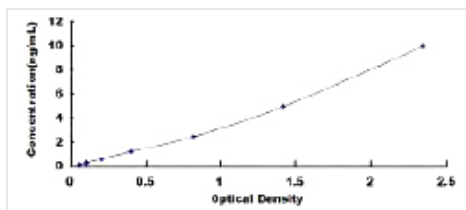
PRODUCT SYNONYMS

Forkhead Box Protein O3 (FOXO3); Mouse 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	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of FOXO3. No significant cross-reactivity or interference between FOXO3 and analogues was observed.
Sequence Length	672
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FOXO3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level FOXO3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FOXO3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of FOXO3 in mouse tissue homogenates and other biological fluids. 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 to 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 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 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 #	9789951
NCBI GeneID	56484
NCBI Accession #	NP_062714.1
NCBI GenBank Nucleotide #	NM_019740.2
UniProt Accession #	Q9WVH4; Q05CZ4; D3Z6Y6
Molecular Weight	71,064 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	Fkhr2; C76856; FKHL1; Foxo3a; 1110048B16Rik; 2010203A17Rik
NCBI Protein Information	forkhead box protein O3
UniProt Protein Name	Forkhead box protein O3
UniProt Gene Name	Foxo3

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/mouse-elisa-kits/forkhead-box-protein-o3-foxo3/63298>