

Mouse Forkhead Box Protein A2 (FOXA2) ELISA Kit | FOXA2 elisa kit

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CATALOG #
AAA64452

REACTIVITY
Mouse

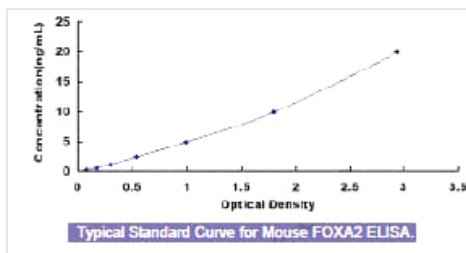
PRODUCT SYNONYMS

Forkhead Box Protein A2 (FOXA2); Mouse Forkhead Box Protein A2 (FOXA2) ELISA Kit; FOX-A2; HNF3B; TCF3B; Hepatocyte Nuclear Factor 3; Beta; Transcription factor 3B; FOXA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of FOXA2. No significant cross-reactivity or interference between FOXA2 and analogues was observed.
Sequence Length	465
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.126ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FOXA2 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 FOXA2 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 FOXA2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of FOXA2 in mouse tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to FOXA2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to FOXA2. 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 FOXA2, 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 FOXA2 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 #	597518004
NCBI GeneID	15376
NCBI Accession #	NP_001277994.1
NCBI GenBank Nucleotide #	NM_001291065.1
UniProt Accession #	P35583; Q60602; A2AR89
Molecular Weight	48,498 Da
NCBI Official Full Name	hepatocyte nuclear factor 3-beta isoform a
NCBI Official Synonym Full Names	forkhead box A2
NCBI Official Symbol	Foxa2
NCBI Official Synonym Symbols	Hnf3b; Tcf3b; Hnf-3b; Tcf-3b; HNF3beta; HNF3-beta
NCBI Protein Information	hepatocyte nuclear factor 3-beta
UniProt Protein Name	Hepatocyte nuclear factor 3-beta
UniProt Gene Name	Foxa2
UniProt Synonym Gene Names	Hnf3b; Tcf-3b; Tcf3b; HNF-3-beta; HNF-3B

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-a2-foxa2/64452>