

Mouse Nuclear Factor I/B (NFIB) ELISA Kit | NFIB elisa kit

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CATALOG #
AAA65508

REACTIVITY
Mouse

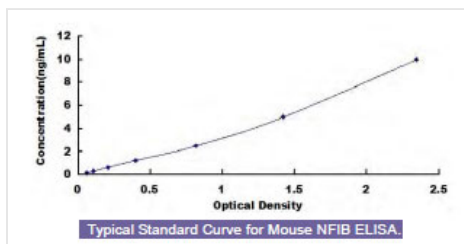
PRODUCT SYNONYMS

Nuclear Factor I/B (NFIB); Mouse Nuclear Factor I/B (NFIB) ELISA Kit; NFI-RED; NFIB2; NFIB3; CCAAT-box-binding transcription factor; TGGCA-binding protein; NFIB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of NFIB. No significant cross-reactivity or interference between NFIB and analogues was observed.
Sequence Length	570
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.063ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NFIB 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 NFIB 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 NFIB elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of NFIB 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 NFIB. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NFIB. 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 NFIB, 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 NFIB 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 #	163965420
NCBI GeneID	18028
NCBI Accession #	NP_001106680.1
NCBI GenBank Nucleotide #	NM_001113209.2
UniProt Accession #	P97863; P70252; P70253; P70254; Q9R1G4
Molecular Weight	47,472 Da
NCBI Official Full Name	nuclear factor 1 B-type isoform 1
NCBI Official Synonym Full Names	nuclear factor I/B
NCBI Official Symbol	Nfib
NCBI Official Synonym Symbols	CTF; NF1-B; NFI-B; NF-I/B; 6720429L07Rik; E030026I10Rik
NCBI Protein Information	nuclear factor 1 B-type
UniProt Protein Name	Nuclear factor 1 B-type
UniProt Gene Name	Nfib
UniProt Synonym Gene Names	NF1-B; Nuclear factor 1/B; CTF; NF-I/B; NFI-B

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.