

Human Fructosamine-3-Kinase (FN3K) ELISA Kit | FN3K elisa kit

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CATALOG #
AAA67891

REACTIVITY
Human

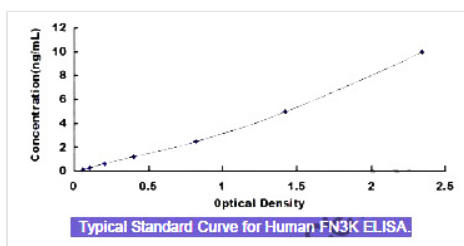
PRODUCT SYNONYMS

Fructosamine-3-Kinase (FN3K); Human Fructosamine-3-Kinase (FN3K) ELISA Kit; FN3K elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of FN3K. No significant cross-reactivity or interference between FN3K and analogues was observed.
Sequence Length	309
Samples	Plasma, tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.071ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FN3K 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 FN3K 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 FN3K elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of FN3K in human plasma, 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 FN3K. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to FN3K. 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 FN3K, 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 FN3K 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 #	11545906
NCBI GeneID	64122
NCBI Accession #	NP_071441.1
NCBI GenBank Nucleotide #	NM_022158.3
UniProt Accession #	Q9H479
Molecular Weight	35,171 Da
NCBI Official Full Name	fructosamine-3-kinase
NCBI Official Synonym Full Names	fructosamine 3 kinase
NCBI Official Symbol	FN3K
NCBI Protein Information	fructosamine-3-kinase
UniProt Protein Name	Fructosamine-3-kinase
UniProt Gene Name	FN3K

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.