

Human N-Ethylmaleimide Sensitive Factor (NSF) ELISA Kit | NSF elisa kit

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CATALOG #
AAA67123

REACTIVITY
Human

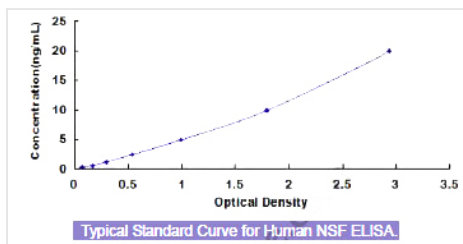
PRODUCT SYNONYMS

N-Ethylmaleimide Sensitive Factor (NSF); Human N-Ethylmaleimide Sensitive Factor (NSF) ELISA Kit; SKD2; N-Ethylmaleimide Sensitive Fusion Protein; Vesicle-fusing ATPase; Vesicular-fusion protein NSF; NSF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NSF. No significant cross-reactivity or interference between NSF and analogues was observed.
Sequence Length	744
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.116ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NSF 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 NSF 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 NSF elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of NSF in human 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 NSF. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NSF. 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 NSF, 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 NSF 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 #	156564401
NCBI GeneID	4905
NCBI Accession #	NP_006169.2
NCBI GenBank Nucleotide #	NM_006178.3
UniProt Accession #	P46459; Q8N6D7; Q9UKZ2; A8K2D9; B4DFA2
Molecular Weight	71,584 Da
NCBI Official Full Name	vesicle-fusing ATPase
NCBI Official Synonym Full Names	N-ethylmaleimide sensitive factor, vesicle fusing ATPase
NCBI Official Symbol	NSF
NCBI Official Synonym Symbols	SKD2
NCBI Protein Information	vesicle-fusing ATPase
UniProt Protein Name	Vesicle-fusing ATPase
UniProt Gene Name	NSF
UniProt Synonym Gene Names	NEM-sensitive fusion protein

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.