

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

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CATALOG #
AAA136598

REACTIVITY
Human

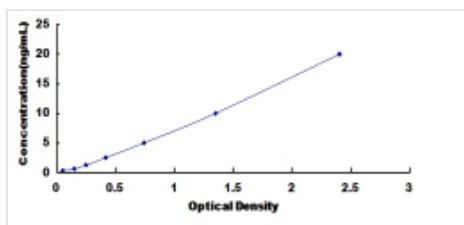
PRODUCT SYNONYMS

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 N-Ethylmaleimide Sensitive Factor (NSF). No significant cross-reactivity or interference between N-Ethylmaleimide Sensitive Factor (NSF) and analogues was observed.
Sequence Length	751
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.117ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level N-Ethylmaleimide Sensitive Factor (NSF) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level N-Ethylmaleimide Sensitive Factor (NSF) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NSF elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to N-Ethylmaleimide Sensitive Factor (NSF). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to N-Ethylmaleimide Sensitive Factor (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 N-Ethylmaleimide Sensitive Factor (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 N-Ethylmaleimide Sensitive Factor (NSF) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for NSF elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	467977
NCBI GeneID	4905
Molecular Weight	71,584 Da
NCBI Official Full Name	N-ethylmaleimide-sensitive factor, partial
NCBI Official Synonym Full Names	N-ethylmaleimide-sensitive factor
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
UniProt Entry Name	NSF_HUMAN

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.