

Human Neuraminidase (NEU) ELISA Kit | NEU elisa kit

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CATALOG #
AAA14036

REACTIVITY
Human

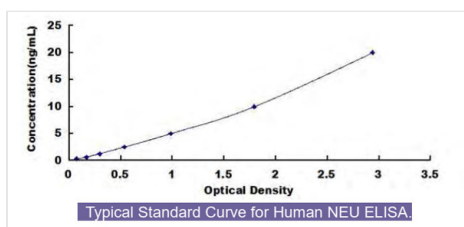
PRODUCT SYNONYMS

Neuraminidase (NEU); Human Neuraminidase (NEU) ELISA Kit; NEU elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NEU. No significant cross-reactivity or interference between NEU and analogues was observed.
Sequence Length	415
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
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 NEU 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 NEU 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 NEU elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NEU. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NEU. 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 NEU, 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 NEU in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of NEU in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557791
NCBI GeneID	4758
NCBI Accession #	NP_000425.1
NCBI GenBank Nucleotide #	NM_000434.3
UniProt Accession #	Q99519
Molecular Weight	45,467 Da
NCBI Official Full Name	sialidase-1
NCBI Official Synonym Full Names	neuraminidase 1
NCBI Official Symbol	NEU1
NCBI Official Synonym Symbols	NEU; NANH; SIAL1
NCBI Protein Information	sialidase-1
UniProt Protein Name	Sialidase-1
UniProt Gene Name	NEU1
UniProt Synonym Gene Names	NANH

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.