

Human sialidase 1 (lysosomal sialidase) ELISA Kit | NEU1 elisa kit

Human Sialidase ELISA Kit

CATALOG # AAA15425	REACTIVITY Human
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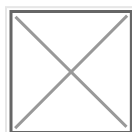
PRODUCT SYNONYMS

sialidase 1 (lysosomal sialidase); Human Sialidase ELISA Kit; DAAP-222I20.1; FLJ93471; NANH; NEU; SIAL1; G9 sialidase; N-acetyl-alpha-neuraminidase 1; acetylneuraminyl hydrolase; exo-alpha-sialidase; lysosomal sialidase; neuraminidase 1; NEU1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human sialidase. No significant cross-reactivity or interference between human sialidase and analogues was observed.
Sequence Length	415
Assay Type	Quantitative Sandwich
Samples	Serum, urine, cerebrospinal fluid (CSF)
Detection Range	0.312 ng/ml-20 ng/ml
Sensitivity	< 0.078 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NEU1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for sialidase has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any sialidase present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for sialidase is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of sialidase bound in the initial step. The color development is stopped and the intensity of the color is measured.
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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	sialidase 1 (lysosomal sialidase)
NCBI Official Symbol	NEU1
NCBI Official Synonym Symbols	NEU; NANH; SIAL1
NCBI Protein Information	sialidase-1; G9 sialidase; exo-alpha-sialidase; lysosomal sialidase; acetylneuraminyl hydrolase; N-acetyl-alpha-neuraminidase 1
UniProt Protein Name	Sialidase-1
UniProt Gene Name	NEU1
UniProt Synonym Gene Names	NANH
UniProt Entry Name	NEUR1_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.

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Online datasheet: <https://stage.aaabiotech.com/neu1-human-elisa-kits/sialidase-1-lysosomal-sialidase/15425>