

Human NEU1 (Sialidase-1) ELISA Kit | NEU1 elisa kit

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CATALOG #
AAA250536

REACTIVITY
Human

PRODUCT SYNONYMS

NEU1 (Sialidase-1); Human NEU1 (Sialidase-1) ELISA Kit; Sialidase-1; Acetylneuraminyl hydrolase; G9 sialidase; Lysosomal sialidase; N-acetyl-alpha-neuraminidase 1; NEU1; NEU1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NEU1. No significant cross-reactivity or interference between NEU1 and analogues was observed.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

ADDITIONAL INFORMATION

Related Product Information for NEU1 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP -Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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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
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; N-acetyl-alpha-neuraminidase 1; acetylneuraminyl hydrolase; exo-alpha-sialidase; lysosomal sialidase
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://www.aaabiotech.com/human-elisa-kits/neu1-sialidase-1/250536>