

Human NEU4 (Sialidase-4) ELISA Kit | NEU4 elisa kit

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CATALOG #
AAA277846

REACTIVITY
Human

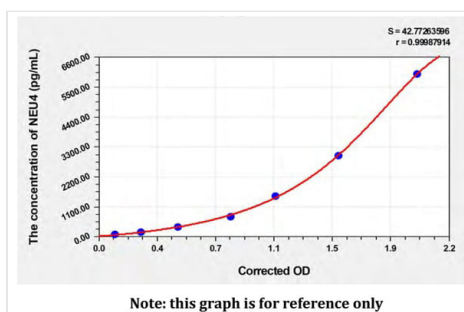
PRODUCT SYNONYMS

NEU4 (Sialidase-4); Human NEU4 (Sialidase-4) ELISA Kit; SIAL4; NEU4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human NEU4. No significant cross-reactivity or interference between Human NEU4 and analogues was observed.
Assay Type	Sandwich
Detection Range	93.75-6000 pg/mL
Sensitivity	39.1 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NEU4 elisa kit

Principle of the Assay: 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 Human NEU4. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human NEU4. 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 Human NEU4, 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 $\pm$ 10nm. The concentration of Human NEU4 in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	90110434
NCBI GeneID	129807
UniProt Accession #	Q8WWR8; Q96D64; A8K056; J3KNJ5
Molecular Weight	484
NCBI Official Full Name	Sialidase-4
NCBI Official Synonym Full Names	sialidase 4
NCBI Official Symbol	NEU4
NCBI Protein Information	sialidase-4; neuraminidase 4; N-acetyl-alpha-neuraminidase 4
UniProt Protein Name	Sialidase-4
UniProt Gene Name	NEU4
UniProt Entry Name	NEUR4_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/human-elisa-kits/neu4-sialidase-4/277846>