

Human N acetylneuraminate lyase (NPL) ELISA Kit | NPL elisa kit

Human N acetylneuraminate lyase (NPL) ELISA Kit

CATALOG #
AAA246381

REACTIVITY
Human

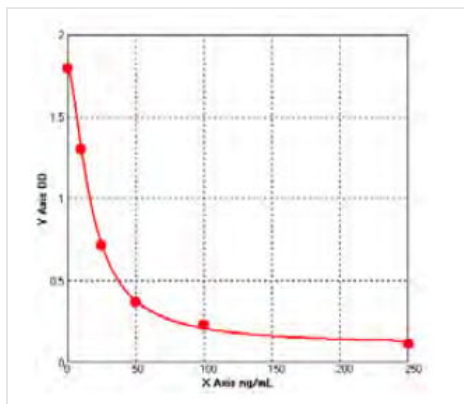
PRODUCT SYNONYMS

N acetylneuraminate lyase (NPL); Human N acetylneuraminate lyase (NPL) ELISA Kit; NPL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NPL. No significant cross-reactivity or interference between NPL and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between NPL and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NPL elisa kit	Intended Uses: This NPL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human NPL. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: NPL ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-NPL antibody and an NPL-HRP conjugate. The assay sample and buffer are incubated together with NPL-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the NPL concentration since NPL from samples and NPL-HRP conjugate compete for the anti-NPL antibody binding site. Since the number of sites is limited, as more sites are occupied by NPL from the sample, fewer sites are left to bind NPL-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NPL concentration in each sample is interpolated from this standard curve.
Product Categories/Family for NPL elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	74752428
NCBI GeneID	80896
Molecular Weight	12,201 Da
NCBI Official Full Name	N-acetylneuraminate lyase
NCBI Official Synonym Full Names	N-acetylneuraminate pyruvate lyase (dihydrodipicolinate synthase)
NCBI Official Symbol	NPL
NCBI Official Synonym Symbols	NAL; C112; NPL1; C1orf13
NCBI Protein Information	N-acetylneuraminate lyase; NALase; sialic acid aldolase; sialate-pyruvate lyase; N-acetylneuraminic acid aldolase; dihydrodipicolinate synthetase homolog 1
UniProt Protein Name	N-acetylneuraminate lyase
UniProt Gene Name	NPL
UniProt Synonym Gene Names	C1orf13; NALase
UniProt Entry Name	NPL_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/n-acetylneuraminate-lyase-npl/246381>