

Bovine Neurofilament, Light Polypeptide ELISA Kit | NEFL elisa kit

Bovine Neurofilament, Light Polypeptide (NEFL) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA190085

REACTIVITY
Bovine

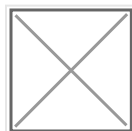
PRODUCT SYNONYMS

Neurofilament; Light Polypeptide; Bovine Neurofilament; Light Polypeptide (NEFL) (Sandwich ELISA) ELISA Kit; CMT1F; CMT2E; NF-L; NF68; NFL; 68 kDa neurofilament protein; Neurofilament triplet L protein; ELISA Kit for Neurofilament; Light Polypeptide (NEFL); NEFL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of Neurofilament, Light Polypeptide (NEFL). No significant cross-reactivity or interference between Neurofilament, Light Polypeptide (NEFL) and analogues was observed. Reactive with Bovine NEFL / Neurofilament, Light Polypeptide
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	6.3pg/mL
Detection Method	Colormetric
Assay Precision	Intra-Assay: CV<10%, Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

Typical Standard Curve for NEFL ELISA (Sandwich)

ADDITIONAL INFORMATION

Related Product Information for NEFL 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 Neurofilament, Light Polypeptide (NEFL). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Neurofilament, Light Polypeptide (NEFL). 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 Neurofilament, Light Polypeptide (NEFL), 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 Neurofilament, Light Polypeptide (NEFL) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Product Categories/Family for NEFL elisa kit

[Neuro science](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	27806523
NCBI GeneID	281348
NCBI Accession #	NP_776546.1
NCBI GenBank Nucleotide #	NM_174121.1
UniProt Accession #	P02548; P79127; Q17QQ0
Molecular Weight	62,646 Da
NCBI Official Full Name	neurofilament light polypeptide
NCBI Official Synonym Full Names	neurofilament, light polypeptide
NCBI Official Symbol	NEFL
NCBI Protein Information	neurofilament light polypeptide; 68 kDa neurofilament protein; NF-L; micro glutamic acid-rich protein; neurofilament triplet L protein; neurofilament, light polypeptide 68kDa
UniProt Protein Name	Neurofilament light polypeptide
UniProt Gene Name	NEFL
UniProt Synonym Gene Names	NF-L
UniProt Entry Name	NFL_BOVIN

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/nefl-bovine-ovine-elisa-kits/neurofilament-light-polypeptide/190085>