

Anti-h NfL 12603 SPTN-5

Product overview

Catalog number	100985
Specificity	Antibody recognizes human neurofilament light
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
Shelf life and storage	Unspecified, storage at 2–8 °C
Subclass	IgG ₁
Analyte description	Neurofilament light (NfL) is the smallest and the most abundant of three different neurofilament subunits. Neurofilaments are very important protein components of axons, and they maintain the function of nervous system. Cerebrospinal fluid and serum NfL levels elevate due to damages in nervous system making NfL a promising biomarker for neural diseases and injuries.

Parameters tested on each lot

Product appearance	Liquid, may turn slightly opaque during storage
Product concentration	5.0 mg/ml (+/-10 %)
Immunoreactivity	80–120 % compared to the reference sample in an FIA test
IEF Profile	5.7–6.4
Purity	≥ 95 %

Kinetic parameters

Association rate constant	3.8 x 10 ⁵ 1/Ms
Dissociation rate constant	Does not dissociate under conditions used
Affinity constant	N/A
Determination method	BLI (Octet RED96e)
Determination antigen	Neurofilament L, Medix Biochemica (Cat LA666)



Legal disclaimer

Cross-reactivities Recognizes bovine NfL. Does not recognize NfM, NfH, NSE or S100B.

Epitope N/D

Pair recommendations

		DETECTION		
		12601	12603	12604
CAPTURE	12601	-	+	+
	12603	+	-	+
	12604	+	-	-

Following pairs are especially recommended for the below mentioned assays:

FIA: 12604 (capture) – 12601 (detection)

CLIA: 12601 (capture) – 12604 (detection)

Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.

Platforms tested FIA, CLIA

Antigens tested Recombinant Neurofilament L antigen, Medix Biochemica LA666.

TEMPERATURE, TIME	RESULT
-70 °C, 21 days	OK
-20 °C, 21 days	OK
+4 °C, 21 days	OK
+35 °C, 21 days	OK
+45 °C, 7 days	OK

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2–8 °C in the product buffer.

Miscellaneous -

References -



Legal disclaimer