

Product datasheet for **DM080S**

Neurofilament (NEFL) (+ Neurofilament H) Mouse Monoclonal Antibody [Clone ID: 2F11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2F11
Applications:	IHC, WB
Recommended Dilution:	Western Blot: 1/20. Immunohistochemistry on Frozen Sections: 1/160, preferably in PBS. Immunohistochemistry on Formalin-Fixed, Paraffin-Embedded Sections: 1/50-1/200 Pretreatment with TUF is recommended. <i>Positive Control:</i> Brain.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Neurofilament from Human brain.
Specificity:	This antibody stains the 70 kD and 200 kD polypeptides of Neurofilament. Not reactive with small cell lung carcinoma. Cross reactivity GFAP: : not detectable Keratin : not detectable Vimentin : not detectable Desmin : not detectable
Formulation:	State: Supernatant State: Liquid Supernatant Preservative: 10 mM Sodium Azide, 1% FCS
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	neurofilament, light polypeptide



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Database Link: [Entrez Gene 4747 Human P07196](#)

Background: Neurofilaments are the intermediate filaments of neurons and their processes. They are protein triplets composed of three major subunits of MW 68kDa, 155kDa, and 200kDa. Neurofilaments are expressed in tumors of neural origin, or displaying neuronal differentiation, such as neuroblastoma, medulloblastoma, and retinoblastoma.

Synonyms: NF-L, NEFL, NF68, 68 kDa neurofilament protein

Note: **Mol. Wt. of Antigen:** 68kDa and 200kDa (phosphorylated forms of these subunits)