

Datasheet: MCA2148

Description:	MOUSE ANTI HUMAN NEUROFILAMENT
Specificity:	NEUROFILAMENT
Format:	Concentrate
Product Type:	Monoclonal Antibody
Clone:	2F11
Isotype:	IgG1
Quantity:	1 ml

Product Details

RRID AB_2235792

Applications This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	▪			1/40
Immunohistology - Paraffin	▪			1/40

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species Human

Species Cross Reactivity Reacts with: Mouse, Rat, Dog, Primate
N.B. Antibody reactivity and working conditions may vary between species.

Product Form Tissue Culture Supernatant - liquid

Buffer Solution Phosphate buffered saline

Preservative 0.1% Sodium Azide (NaN₃)
Stabilisers 1% Bovine Serum Albumin

Immunogen Human brain neurofilament.

External Database Links

UniProt:

[P12036](#) [Related reagents](#)
[P07196](#) [Related reagents](#)

Entrez Gene:

[4744](#) NEFH [Related reagents](#)
[4747](#) NEFL [Related reagents](#)

Synonyms	KIAA0845, NF68, NFH, NFL
Specificity	Mouse anti Human Neurofilament antibody, clone 2F11 recognizes human brain neurofilaments of 70 kDa and 200 kDa. Mouse anti Human Neurofilament antibody, clone 2F11 stains neurons in the central and peripheral nervous systems. Neuroblastomas and ganglioneuromas are positively labelled.
Immunohistology	This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.
Histology Positive Control Tissue	Cerebellum
References	<ol style="list-style-type: none"> 1. Qu, T.Y. <i>et al.</i> (2004) Bromodeoxyuridine increases multipotency of human bone marrow-derived stem cells. Restor Neurol Neurosci. 22: 459-68. 2. Seilhean, D. <i>et al.</i> (2011) Accumulation of TDP-43 and alpha-actin in an amyotrophic lateral sclerosis patient with the K17I ANG mutation. Acta Neuropathol. 118: 561-73. 3. Andréoletti O <i>et al.</i> (2002) Phenotyping of protein-prion (PrPsc)-accumulating cells in lymphoid and neural tissues of naturally scrapie-affected sheep by double-labeling immunohistochemistry. J Histochem Cytochem. 50 (10): 1357-70.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10304 available at: 10304: https://www.bio-rad-antibodies.com/uploads/MSDS/10304.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

'M345899:190125'

Printed on 25 Jan 2019

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