Datasheet: MCA4751

Description:	MOUSE ANTI PIG NEUROFILAMENT L
Specificity:	NEUROFILAMENT L
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	DA2
Isotype:	IgG1
Quantity:	0.1 ml

Product Details

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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/1000
Immunofluorescence	▪			1/100

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Pig

Species Cross Reactivity

Reacts with: Human, Mouse, Rat, Bovine, Chicken
N.B. Antibody reactivity and working conditions may vary between species.

Product Form

Tissue Culture Supernatant - liquid

Preservative Stabilisers

0.065% Sodium Azide (NaN_3)

Immunogen

Preparation of pig intermediate filaments.

External Database Links

UniProt:

P02547 Related reagents
P07196 Related reagents
P08551 Related reagents
P19527 Related reagents

P02548 Related reagents

Entrez Gene:

4747	NEFL	Related reagents
281348	NEFL	Related reagents
18039	Nefl	Related reagents
83613	Nefl	Related reagents

Synonyms	Nf68, NF68, Nfl, NFL
RRID	AB_1833778
Specificity	**Mouse anti Pig Neurofilament L antibody, clone DA2** recognizes Neurofilament light polypeptide, also known as neurofilament L, NF-L, 68 kDa neurofilament protein or Neurofilament triplet L protein. NF-L is a 548 amino acid ~68 kDa neurofilament. NF-L is the most abundant of the three nurofilament proteins (NF-H, NF-M and NF-L). Neurofilaments are 10nm or intermediate filaments found in neurons, with especially high concentrations along the axons, where they appear to control axonal diameter. In humans defects in the NEFL gene are the cause of Charcot-Marie-Tooth disease 1F (CMT1F), a demyelinating condition of the peripheral nervous system characterized by progressive weakness and atrophy (Jordanova *et al.* 2003) and the related condition Charcot-Marie-Tooth disease 2E (CMT2E), characterized by loss of muscle tissue and touch sensation with axonal degeneration in the absence of myelin alteration (De Jonghe *et al.* 2001).
Western Blotting	MCA4751 detects a band of approximately 68kDa in rat cortex lysate.
References	1. Peichl, L. & González-soriano, J. (1993) Unexpected presence of neurofilaments in axon-bearing horizontal cells of the mammalian retina. J Neurosci. 13 (9): 4091-100.
Storage	Store at +4ºC or at -20ºC 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.
Guarantee	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10055 available at: 10055: https://www.bio-rad-antibodies.com/uploads/MSDS/10055.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®680, DyLight®800, FITC, HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

North & South America
Tel: +1 800 265 7376
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

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