

## Datasheet: MCA4749

<b>Description:</b>	MOUSE ANTI RAT ALPHA INTERNEXIN
<b>Specificity:</b>	ALPHA INTERNEXIN
<b>Format:</b>	S/N
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	ID2
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen	■			1/1000
Immunohistology - Paraffin	■			1/1000
ELISA			■	
Immunoprecipitation			■	
Western Blotting	■			1/2000
Immunofluorescence	■			1/250

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.

<b>Target Species</b>	Rat
<b>Species Cross Reactivity</b>	<p>Reacts with: Cat, Human</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
<b>Product Form</b>	Tissue Culture Supernatant - liquid
<b>Preservative Stabilisers</b>	0.065% Sodium Azide (NaN <sub>3</sub> )

**Immunogen** Recombinant rat alpha Internexin expressed in and purified from *E.coli*.

**External Database**

**Links**

**UniProt:**

[P23565](#)

[Related reagents](#)

**Entrez Gene:**

[24503](#)

Ina

[Related reagents](#)

**Synonyms**

Inexa

**RRID**

AB\_2127370

**Specificity**

**Mouse anti Rat alpha Internexin antibody, clone 1D2** recognizes rat alpha internexin, also known as 66 kDa neurofilament protein, Neurofilament 5 or NF66. Alpha internexin is a 505 amino acid ~66 kDa class IV neuronal intermediate filament. It is a major component of the intermediate filament network in small interneurons and cerebellar granule cells, where it is present in parallel fibers. It is highly expressed in early neuronal development and declines into adulthood. There is also a marked up-regulation of alpha internexin during neuronal regeneration.

**Western Blotting**

MCA4749 detects a band of approximately 66kDa in rat cortex lysate.

**References**

1. Evans, J. *et al.* (2002) Characterization of mitotic neurons derived from adult rat hypothalamus and brain stem. [J Neurophysiol. 87: 1076-85](#)

**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.

**Guarantee**

12 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](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),  
[DyLight®800](#), [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

## Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA1209\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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'M375117:201216'

**Printed on 09 Feb 2021**

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