

Datasheet: 4113-1077

Description:	MOUSE ANTI HUMAN ENDOTHELIN 1
Specificity:	ENDOTHELIN 1
Other names:	EDN1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	IC4
Isotype:	IgG1
Quantity:	0.1 mg

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			▪	
Western Blotting			▪	
IRMA	▪			

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 the appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	1.0 mg/ml

Immunogen	C-terminal fragment of human endothelin 1.
External Database Links	<p>UniProt: P05305 Related reagents</p> <p>Entrez Gene: 1906 EDN1 Related reagents</p>
RRID	AB_2096251
Specificity	<p>Mouse anti Human endothelin 1 antibody, clone IC4 recognizes human endothelin 1 (ET-1). Endothelin-1 in it's precursor form is a 212 amino acid protein with a 17 aa signal peptide, an N-terminal pro-peptide region and a C-terminal pro-peptide region flanking the endothelin peptides, big endothelin-1 (38aa), the precursor of the smaller endothelin peptide which is cleaved by endothlin converting enzyme to produce the active endothelin-1 (21aa) peptide and a c-terminal fragment. Endothelin-1 is a potent vasoconstrictor with a molecular mass of approximately 25 kDa. Mouse anti human endothelin 1 antibody, clone IC4 shows less than 10% reactivity with endothelin 3.</p> <p>Plasma levels of both endothlin-1 and big endothlin-1 are useful as predictors for survival of patients with congestive heart failure (Rodeheffer et al. 1992). However, the half life of the endothlin1 peptide in human plasma is very short (c1.0 mins) and measurement of big-endothlin-1 may be a more reliable measure of the endothlin secretory pathway activity (Hemsén et al. 1995).</p>
References	1. Papalambros, E. <i>et al.</i> (2003) Immunohistochemical expression of metalloproteinases MMP-2 and MMP-9 in abdominal aortic aneurysms: correlation with symptoms and aortic diameter. Int J Mol Med. 12 (6): 965-8.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/4113-1077 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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