

Datasheet: 4113-0957

BATCH NUMBER 159508

Description:	RAT ANTI HUMAN ENDOTHELIN
Specificity:	ENDOTHELIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	3G10
Isotype:	IgG2b
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
Immunohistology - Frozen (1)	▪			
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.

(1)Frozen sections processed with dry acetone are recommended. Paraformaldehyde is not recommended as it destroys the epitope.

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

Immunogen	Synthetic peptide corresponding to the c-terminal region of human endothelin (CHLDIIW) conjugated to BSA.
External Database Links	<p>UniProt:</p> <p>P05305 Related reagents</p> <p>P14138 Related reagents</p> <p>P20800 Related reagents</p> <p>Entrez Gene:</p> <p>1906 EDN1 Related reagents</p> <p>1908 EDN3 Related reagents</p> <p>1907 EDN2 Related reagents</p>
RRID	AB_620376
Specificity	Rat anti Human endothelin antibody, clone 3G10 reacts with the C terminal of endothelins 1, 2 and 3. Rat anti Human endothelin antibody, clone 3G10 does not react with the endothelin precursor molecule, big endothelin. The endothelins are potent vasoconstrictors and critical components in the progression of pulmonary arterial hypertension a devastating and rapidly progressive condition that leads to right ventricular strain and dysfunction.
Immunohistology	Frozen sections processed with dry acetone are recommended. Paraformaldehyde is not recommended as it destroys the epitope.
References	1. Yao, J. <i>et al.</i> (2001) Endothelin is a potent inhibitor of matrix metalloproteinase-2 secretion and activation in rat mesangial cells. Am J Physiol Renal Physiol. 280: F628-635.
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/4113-0957 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR16...)	DyLight@800
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight@800
Goat Anti Rat IgG (STAR72...)	HRP
Rabbit Anti Rat IgG (STAR21...)	HRP
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR131...)	Alk. Phos., Biotin

Recommended Negative Controls

[RAT IgG2b NEGATIVE CONTROL \(MCA6006GA\)](#)

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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
'M381353:210512'

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