

Datasheet: 4113-0957

**BATCH NUMBER 150886**

<b>Description:</b>	RAT ANTI HUMAN ENDOTHELIN
<b>Specificity:</b>	ENDOTHELIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	3G10
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	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](http://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.**

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

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**Immunogen** Synthetic peptide corresponding to the c-terminal region of human endothelin (CHLDIIW) conjugated to BSA.

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**External Database Links**

**UniProt:**

[P05305](#)    [Related reagents](#)  
[P14138](#)    [Related reagents](#)  
[P20800](#)    [Related reagents](#)

**Entrez Gene:**

[1906](#)    EDN1    [Related reagents](#)  
[1908](#)    EDN3    [Related reagents](#)  
[1907](#)    EDN2    [Related reagents](#)

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**RRID** AB\_620376

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**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.

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**Immunohistology** Frozen sections processed with dry acetone are recommended. Paraformaldehyde is not recommended as it destroys the epitope.

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**References** 1. Yao, J. *et al.* (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.](#)

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**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.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/4113-0957>  
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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	<a href="#">DyLight®800</a>
Rabbit Anti Rat IgG (STAR17...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR72...)	<a href="#">HRP</a>
Goat Anti Rat IgG (STAR69...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR73...)	<a href="#">RPE</a>
Rabbit Anti Rat IgG (STAR21...)	<a href="#">HRP</a>
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	<a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®800</a>
Goat Anti Rat IgG (STAR131...)	<a href="#">Alk. Phos.</a> , <a href="#">Biotin</a>

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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](https://bio-rad-antibodies.com/datasheets)

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