



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Rat Anti Human Endothelin With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-01212

Target Species
Human

Isotype
IgG2b

Preparation

Immunogen: Synthetic peptide corresponding to the c-terminal region of human endothelin (C,H,L,D,I,I,W), conjugated to BSA.

Specificity

DS-MB-01212 reacts with the C terminal of endothelins 1, 2 and 3. This antibody does not react with the endothelin precursor molecule or 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.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG – liquid

Buffer Solution: Phosphate buffered saline

Preservatives & Stabilizers: 0.09% Sodium Azide

Approx. Protein Concentrations: 1.0 mg/ml

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.

Shelf Life: 18 months from date of dispatch.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA			.	
Western Blotting			.	
Immunohistology - frozen	.			
Immunohistology - paraffin			.	
Immunohistology - resin			.	
Immunoprecipitation			.	
Radio Immunoassays			.	
Immunofluorescence staining			.	
IRMA	.			

Note (1) Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	.			1:5000-1:10000

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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