

Datasheet: 0200-0648

Description:	MOUSE ANTI HUMAN ATRIAL NATRIURETIC PEPTIDE
Specificity:	ATRIAL NATRIURETIC PEPTIDE
Other names:	ANP
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	23/1
Isotype:	IgG1
Quantity:	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 - Paraffin	▪			
Radioimmunoassays	▪			

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.

Competitive radioimmunoassay (clinical measurement of circulating ANP levels, possibly in conjunction with cyclic GMP). Liquid phase assay without plasma extraction.

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	IgG concentration 1.0 mg/ml
Immunogen	Synthetic peptide corresponding to part of the native molecule conjugated to bovine serum albumin.

External Database Links

UniProt:

[P01160](#)

[Related reagents](#)

Entrez Gene:[4878](#) NPPA [Related reagents](#)

Synonyms	ANP, PND
Specificity	Mouse anti Human Atrial Natriuretic Peptide antibody, clone 23/1 Recognizes noth the whole human atrial natriuretic peptide and the c terminal fragment (amino acids 4-28). ANP is formed by the cleavage of the holo Natriuretic peptides A by CORIN to release functionally active ANP.
References	<p>1. Shan, X. <i>et al.</i> (2008) Apoptosis signal-regulating kinase 1 attenuates atrial natriuretic peptide secretion. Biochemistry. 47: 10041-8.</p> <p>2. Chen, J.H. <i>et al.</i> (2012) Pathophysiology of sudden cardiac death as demonstrated by molecular pathology of natriuretic peptides in the myocardium. Forensic Sci Int. 223 (1-3): 342-8.</p>
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody.</p> <p>Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet Documentation #10303 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Human Anti Mouse IgG1 (HCA036...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

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