Datasheet: 0200-0648

BATCH NUMBER 170516

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	IgG concentration 1.0 mg/ml

Concentrations	
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
RRID	AB_620041
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	1. Shan, X. *et al.* (2008) Apoptosis signal-regulating kinase 1 attenuates atrial natriuretic peptide secretion. Biochemistry. 47: 10041-8. 2. Chen, J.H. *et al.* (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.
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.
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/0200-0648 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP

Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP

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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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