

Datasheet: 0200-0648

**BATCH NUMBER 170209**

<b>Description:</b>	MOUSE ANTI HUMAN ATRIAL NATRIURETIC PEPTIDE
<b>Specificity:</b>	ATRIAL NATRIURETIC PEPTIDE
<b>Other names:</b>	ANP
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	23/1
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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 - 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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A 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</b>	IgG concentration 1.0 mg/ml

## Concentrations

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**Immunogen** Synthetic peptide corresponding to part of the native molecule conjugated to bovine serum albumin.

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## External Database

### Links

**UniProt:**

[P01160](#)   [Related reagents](#)

**Entrez Gene:**

[4878](#)   NPPA   [Related reagents](#)

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**Synonyms** ANP, PND

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**RRID** AB\_620041

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**Specificity** **Mouse anti Human Atrial Natriuretic Peptide antibody, clone 23/1** Recognizes both 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.

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## 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.](#)
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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/0200-0648>  
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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)   [HRP](#)  
Rabbit Anti Mouse IgG (STAR12...)   [RPE](#)  
Goat Anti Mouse IgG (STAR70...)   [FITC](#)  
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)

Goat Anti Mouse IgG (STAR76...) [RPE](#)  
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 (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

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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)  
'M362784:200528'

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