

Datasheet: OBT1698

Description:	MOUSE ANTI HEPARIN/HEPARAN SULFATE
Specificity:	HEPARIN/HEPARAN SULFATE
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	T320.11
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

RRID AB_617290

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 - Frozen			■	
Immunohistology - Paraffin			■	
ELISA	■			1 - 10ug/ml
Western Blotting	■			1/500 - 1/1000
Radioimmunoassays	■			1 - 10ug/ml

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 appropriate negative/positive controls.

Target Species Broad

Product Form Purified IgG - liquid

Preparation Purified IgG prepared by affinity chromatography on Protein A

Buffer Solution Phosphate Buffered Saline

Preservative Stabilisers 0.1% Sodium Azide (NaN₃)

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Specificity **Mouse anti Heparin/Heparan sulfate, clone T320.11**, recognizes the chemically related αβ-linked glycosaminoglycans heparin and heparan sulfate.

Both heparin and heparan sulfate are composed of alternating sequences of glucosamine and

uronic acid with heparin being the more heavily sulfated polymer ([Gallagher & Walker, 1985](#)).

References

1. Shibata, S. *et al.* (1993) Monoclonal antibodies to heparan sulfate inhibit the formation of thrombin-antithrombin III complexes. [Clin Immunol Immunopathol. 67 \(3 Pt 1\): 264-72.](#)
2. Coles, C.H. *et al.* (2011) Proteoglycan-specific molecular switch for RPTP σ clustering and neuronal extension. [Science. 332 \(6028\): 484-8.](#)
3. Kato, R. *et al.* (2017) Heparan sulfate storage in the cardiac conduction system triggers atrioventricular block. [Brain Dev. 39 \(5\): 418-421.](#)

Further Reading

1. Gallagher, J.T. & Walker, A. (1985) Molecular distinctions between heparan sulphate and heparin. Analysis of sulphation patterns indicates that heparan sulphate and heparin are separate families of N-sulphated polysaccharides. [Biochem J. 230 \(3\): 665-74.](#)

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 #10303 available at:
10303: <https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

North & South America Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739
Email: antibody_sales_uk@bio-rad.com

Europe Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

'M345330:190125'

Printed on 15 Mar 2019