

Datasheet: OBT1698 BATCH NUMBER 165353

Description:	MOUSE ANTI HEPARIN/HEPARAN SULFATE		
Specificity:	HEPARIN/HEPARAN SULFATE		
Format:	Purified		
Product Type:	Monoclonal Antibody		
Clone:	T320.11		
Isotype:	lgG1		
Quantity:	0.1 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 - 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 from ascites
Buffer Solution	Phosphate Buffered Saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

RRID	AB_617290
Specificity	Mouse anti Heparin/Heparan sulfate, clone T320.11, recognizes the chemically related $\alpha\beta$ -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 (<u>Gallagher & Walker</u> , <u>1985</u>).
References	1. Coles, C.H. <i>et al.</i> (2011) Proteoglycan-specific molecular switch for RPTPσ clustering and neuronal extension. <u>Science. 332 (6028): 484-8.</u>
	2. Kato, R. <i>et al.</i> (2017) Heparan sulfate storage in the cardiac conduction system triggers
	atrioventricular block. <u>Brain Dev. 39 (5): 418-421.</u> 3. Danzberger, J. <i>et al.</i> (2018) Glycan distribution and density in native skin's stratum corneum. <u>Skin Res Technol. 24 (3): 450-8.</u>
Further Reading	 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. <u>Biochem J. 230 (3): 665-74.</u> Shibata, S. <i>et al.</i> (1993) Monoclonal antibodies to heparan sulfate inhibit the formation of thrombin-antithrombin III complexes. <u>Clin Immunol Immunopathol. 67 (3 Pt 1): 264-72.</u>
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.
	Avoid repeated freezing and thawing as this may denature the antibody. Storage in
	frost-free freezers is not recommended.
Guarantee	12 months from date of despatch
Health And Safety	Material Safety Datasheet documentation #10040 available at:
Information	https://www.bio-rad-antibodies.com/SDS/OBT1698 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...) HRP
Rabbit Anti Mouse IgG (STAR12...) RPE

Goat Anti Mouse IgG IgA IgM (STAR87...) Alk. Phos., HRP

Goat Anti Mouse IgG (STAR76...)

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 (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 'M406015:220916'

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