Datasheet: OBT1698

BATCH NUMBER 159891

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

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 (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 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 RPTPσ 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. 4. Danzberger, J. *et al.* (2018) Glycan distribution and density in native skin's stratum corneum. Skin Res Technol. 24 (3): 450-8.
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	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 Information	Material Safety Datasheet documentation #10040 available at: 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 (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

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