

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

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

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. <i>et al.</i> (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. <i>et al.</i> (2011) Proteoglycan-specific molecular switch for RPTPα clustering and neuronal extension. Science. 332 (6028): 484-8. 3. Kato, R. <i>et al.</i> (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.
Shelf Life	12 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10303 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP

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