

Datasheet: OBT1698

BATCH NUMBER 153537

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 $\alpha\beta$ -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 ([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 #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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'M369345:200529'

Printed on 25 Mar 2023

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