

Monoclonal Anti Heparan Sulfate (JM403 epitope)

Code: 370730-S
Lot: BN100217
Size: 0.05 mg (50µg)

Description

Clone: JM403
 Isotype: Mouse IgM -K-chain
 Physical state: Liquid
 Buffer: Phosphate buffered saline (PBS)
 Stabilizer: None
 Preservative: 0.02% Sodium Azide
 Purification: Gel filtration and tangential ultrafiltration
 Concentration: 1.0mg/ml (Immunoglobulin fractions)
 Package size: 50 µl/vial

Immunogen: Heparan Sulfate Proteoglycan from rat glomerular basement membrane

Specificity:

Recognition: The antibody reacts with an epitope present in many types of heparan sulfate. The epitope includes (an) N-unsubstituted glucosamine residue(s) that are critical for the reactivity of the antibody. The reactivity of the antibody with most heparan sulfates is nearly completely abolished after treatment of the glycosaminoglycan with bacterial heparitinase (*Flavobacterium heparinum*; EC 4.2.2.8)

Comment: The antibody does not react with heparin, hyaluronan, chondroitin sulfate, dermatan sulfate and keratan sulfate

Recommended Applications: the exact dilution must be determined by the researcher

ELISA: Starting dilution 1: 200
 Immunofluorescence: Starting dilution 1:100
 Immunohistochemistry: Frozen Section ; 1: 500-1000
 Western Blotting: Unknown
 Immunoprecipitation: Unknown

Storage: Store at +4°C until opened. Diluted material should be used within a week
 Avoid repeated freezing and thawing

References:

- 1) J van den Born *et al*: *Kidney Int.* **41**, 115-123 (1992)
- 2) J van den Born *et al*: *J Histochem.* **42**, 89-102 (1994)
- 3) J van den Born *et al*: *Diabetologia.*, **38**, 161-172 (1995)

Note: For *in vitro* research use only, not for diagnostic or therapeutic use. This product is not a medical device. This product is warranted for period of one year after date of receipt when storage and usage conditions are adhered to as described.

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