Monoclonal Anti Heparan Sulfate (JM403 epitope)

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

**Description**
- **Clone:** JM403  
- **Isotype:** Mouse IgM - K-chain  
- **Physical state:** Liquid  
- **Buffer:** Phosphate buffered saline (PBS)  
- **Stabilizer:** None  
- **Preservative:** 0.02% Sodium Azide  
- **Concentration:** 1.0mg/ml (Immunoglobulin fractions)

**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:**

**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.