DESCRIPTION:

Clone: F58-10E4  
Isotype: Mouse IgM, κ-chain  
Physical state: Liquid  
Buffer: Phosphate buffered-saline (-) (PBS(-))  
Stabilizer: None  
Preservative: 0.02% sodium azide  
Purification: Purified by tangential ultrafiltration  
Concentration: 1.0 mg/ml (Immunoglobulin fractions)

Immunogen: Liposome-incorporated membrane heparan sulfate proteoglycan (F58) from human fetal lung fibroblasts

SPECIFICITY:

Recognition: The antibody reacts with an epitope present in many type of heparan sulfate. The epitope includes (an) N-sulfated 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 glycosaminoglycan with bacterial heparitinase (Heparinase III from Flavobacterium heparinum; EC 4.2.2.8)

Comment: The antibody does not react with hyaluronan, chondroitin sulfate, dermatan sulfate, keratan sulfate or DNA.

RECOMMENDED APPLICATIONS: The exact dilution must be determined by the researcher.

Flow cytometric analysis: 1:100-200 (0.5-1 µg of this antibody will label about $10^5$ cells)  
Immunohistochemistry: 1:50-100  
ELISA: 1:100-1:500  
Western blotting: Available

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 a period of one year after the date of receipt when storage and usage conditions are adhered to as described on the package insert.

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