

**CATALOG # 370255-1 Package Size: 200ug (0.2 mg) / vial**  
**370255-S Package Size: 50ug (0.05 mg) / vial**  
**Anti-Heparan Sulfate (10E4 epitope)**

Batch number **10E4060720**

#### 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 heparinase (*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<sup>5</sup> 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:

- David, G., Bai, X.M., Van der Shueren, B., Cassiman, J.-J. and Van den Berghe, H. (1992) *III. Ce. Biol.*, **119**, 961-975
- Bai, X.M., Van der Shueren, B., Cassiman, J.-J., Van den Berghe, H. and David, G. (1994) *J. Histochem. Cytochem.*, **42**, 1043-1054

#### 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.

Rev 23 Sep 2015

AMSBIO | [www.amsbio.com](http://www.amsbio.com) | [info@amsbio.com](mailto:info@amsbio.com)

 **UK & Rest of the World**  
 184 Park Drive, Milton Park  
 Abingdon OX14 4SE, UK  
 T: +44 (0)1235 828 200  
 F: +44 (0) 1235 820 482

 **North America**  
 1035 Cambridge Street,  
 Cambridge, MA 02141  
 T: +1 (617) 945-5033 or  
 T: +1 (800) 987-0985  
 F: +1 (617) 945-8218

 **Germany**  
 Bockenheimer Landstr. 17/19  
 60325 Frankfurt/Main  
 T: +49 (0) 69 779099  
 F: +49 (0) 69 13376880

 **Switzerland**  
 Centro Nord-Sud 2E  
 CH-6934 Bioggio-Lugano  
 T: +41(0) 91 604 55 22  
 F: +41(0) 91 605 17 85