

CATALOG # 370260-1
370260-S

Package Size: 0.2 mg / vial
Package Size: 0.05 mg / vial

Monoclonal Anti- Δ -Heparan Sulfate (3G10 epitope), purified

DESCRIPTION:

Clone:	F69-3G10
Istotype:	Mouse IgG2b, κ -chain
Physical state:	Liquid
Buffer:	Phosphate-buffered saline (-) (PBS(-))
Stabilizer:	None
Preservative:	0.02% sodium azide
Purification:	Purified by Protein A
Concentration:	1.0 mg/mL (Immunoglobulin fractions)
Immunogen:	heparitinase-digested medium heparan sulfate proteoglycans (F69) from human lung fibroblasts

SPECIFICITY:

Recognition:	The antibody reacts with a heparan sulfate neo-epitope, generated by digesting heparan sulfate with heparitinase from <i>Flavobacterium heparinum</i> (EC 4.2.2.8). The desaturated hexuronate (glucuronate) that is present at the non-reducing end of the heparan sulfate fragments created by the enzyme is critical for the reactivity of the antibody.
Recommended Reaction:	The antibody does not react with oligosaccharides generated from chondroitin sulfates with bacterial chondroitin ABC or AC lyases, or generated from heparan sulfate with heparinase (EC 4.2.2.7).

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

Flow cytometric analysis:	1:100-200, 0.5 – 1 μ g of this antibody will label about 10^6 cells.
Immunohistochemistry:	1:100-200
ELISA:	1:200-500
Western blotting:	Available

STORAGE:

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

REFERENCES:

- 1) David, G., Bai, X.M., Van der Schueren, B., Cassiman, J.-J. and Van den Berghe, H. (1992) *J. Cell Biol.*, **119**, 961-975.
- 2) Bai, X.M., Van der Schueren, B., Cassiman, J.-J., Van den Berghe, H. and David, G. (1994) *J. Histochem. Cytochem.*, **42**, 1043-1054.
- 3) Nackaerts, K., Verbeken, E., Deneffe, G., Van der Schueren, B., Demedts, M. and David, G. (1997) *Int. J. Cancer (Pred. Oncol.)*, **74**, 335-345.
- 4) Fuxe, K., Chadi, G., Tinner, B., Agnati, L.F., Pettersson, R. and David, G. (1994) *Brain Research*, **636**, 131-138.
- 5) Lories, V. et al. (1989) *J. Biol. Chem.*, **264**, 7009-7016.

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 date of receipt when storage and usage conditions are adhered to as described on the package insert.

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