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30-2501: Anti-N-sulfated heparan sulfate PE (Clone : HepSS-1)

Clonality :	Monoclonal
Clone Name :	HepSS-1
Application :	FACS
Conjugate :	PE
Alternative Name :	N-sulfo-rich heparan sulfate
Isotype :	Mouse IgM
Immunogen Information :	MethA murine fibrosarcoma

Description

Heparan sulfate (HS) proteoglycans are expressed on cell surfaces and in the extracellular matrix, and take part in developmental, regenerative, as well as pathological processes. By interaction with extracellular matrix components, growth factors, enzymes, and their inhibitors, they regulate and influence tissue distribution of the cells and biological activities of the proteins. N-sulfated heparan sulfate proteoglycans are located in specific microdomains in the plasma membrane, independent on those formed around N-acetyl-rich heparan sulfate, and play different role in the cell signaling.
Specificity : The mouse monoclonal antibody HepSS-1 (also known as HepSS1) recognizes N-sulfated heparan sulfate (extracellular antigen) present in many species.

Product Info

Amount :	0.1 mg
Purification :	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Content :	0.1 mg/ml Formulation : Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

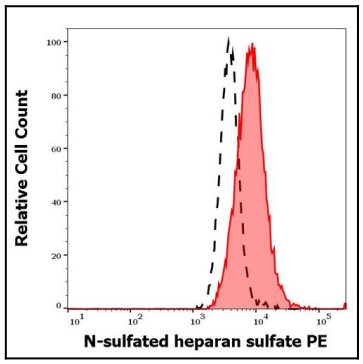

Figure 1: Separation of EA.hy926 cells (red-filled) from EA.hy926 cells treated with heparinase (1 hour, 1 UI per ml of cell suspension) stained using anti-N-sulfated heparan sulfate (HepSS-1) PE antibody

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