

## 36-1249: Monoclonal Antibody to Heparan Sulfate Proteoglycan (Large) / Perlecan(Clone : SPM255)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	SPM255
<b>Application :</b>	FACS,IF,IHC
<b>Reactivity :</b>	Human, Mouse
<b>Gene :</b>	HSPG2
<b>Gene ID :</b>	3339
<b>Uniprot ID :</b>	P98160
<b>Format :</b>	Purified
<b>Alternative Name :</b>	HSPG2
<b>Isotype :</b>	Rat IgG2a, kappa
<b>Immunogen Information :</b>	Murine EHS laminin preparation

### Description

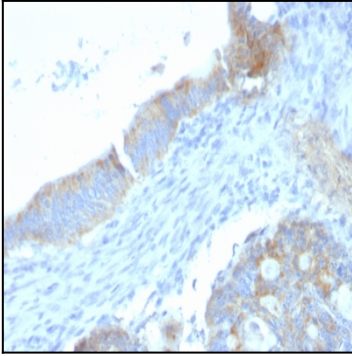
This MAb specifically precipitates heterogeneous material of high MW, identified as perlecan, a major heparan-sulfate proteoglycan (HSPG) within all basement membranes and cell surfaces. It does not cross-react with laminin, fibronectin, or dermatan sulfate proteoglycan. Because of perlecan's strategic location and ability to store and protect growth factors, it has been strongly implicated in the control of tumor cell growth and metastatic behavior. Perlecan possesses angiogenic and growth-promoting attributes primarily by acting as a co-receptor for basic fibroblast growth factor (FGF-2). Suppression of perlecan causes substantial inhibition of neoplastic growth and neovascularization. Thus, perlecan is a potent inducer of neoplasm growth and angiogenesis in vivo and therapeutic interventions targeting this key modulator of tumor progression may improve neoplastic treatment.

### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with Heparan Sulfate Monoclonal Antibody (SPM255).