



IMMUNOLOGICAL SCIENCES

Product Data Sheet

MAB-10374	Rat anti-Heparan sulfate proteoglycan (Perlecan Domain 4) Monoclonal antibody
QUANTITY:	100 µg / 0.5 ml
SPECIFICITY:	Reacts with HSPG core protein (Perlecan Domain 4). No cross-reactivity to laminin, collagen IV, entactin/nidogen or fibronectin.
IMMUNOGEN:	HSPG from EHS mouse tumor.
ISOTYPE:	IgG2a
CLONE DESIGNATION:	A7L6
APPLICATIONS:	<p>Indirect immunofluorescence. In tissues it reacts strongly and uniformly with basement membranes. For best results use with cryostat sections fixed with either acetone or 4% formaldehyde or paraformaldehyde. For paraffin embedding, tissues should be fixed in acid alcohol and sections pretreated with hyaluronidase (<i>J. Histochem. Cytochem.</i> [1989], 37:105-113).</p> <p>Dot blotting 1:100 - 1:1000 (Note: Treat HSPG core protein prior to Dot Blotting with 0.25 U/mL heparitinase in 0.1M sodium acetate, pH 7.0, with 1 mM Calcium acetate, 0.2 Mm PMSF, 1 mM benzamidine HCL and 50 µg/mL leupeptin.)¹</p> <p>Immunohistochemistry: (frozen and Acid-alcohol fixed, paraffin-embedded). (Use Ab at 2 µg/ml for 30 min. at RT) (Staining of acid-alcohol fixed tissues require antigen unmasking with 15,000U/ml of bovine testicular hyaluronidase in PBS, pH 7.4 for 30 mins. at 37C.</p> <p>Immunoprecipitation 1:1000 (recognizes >400 KD band) Does not work for Western Blotting Optimal working dilutions must be determined by end user.</p>
SPECIES REACTIVITIES:	Mouse, bovine, pig and human.
FORMAT:	Purified
STORAGE/HANDLING:	Maintain at -20°C in undiluted aliquots for up to 12 months. Avoid repeated freeze/thaw cycles.
REFERENCES:	<ol style="list-style-type: none">1. <i>Matrix</i> (1989). 9:311-321.2. <i>J. Histochem. Cytochem.</i> (1989). 37:961-970.3. <i>Int. J. Cancer</i> (1992). 50:562-566.4. <i>Laboratory Investigation</i> (1995) 72:461-473.5. <i>J. Neuroscience</i> (1998) 18:1250-1260.6. <i>Int. J. Cancer</i> (1993). 53: 269-277.7. <i>J. Histochem. Cytochem.</i> (1989) 37: 105-113.8. <i>Nature Genetics</i> (1999) 23: 338-342.

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