

Monoclonal Mouse Antibody to Galectin-3

Catalog No.:	Mob 405, Mob 405-05
Intended Use:	This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person(s) when evaluating and interpreting results.
Immunogen:	BALB/C mice were immunized with prokaryotic recombinant fusion protein corresponding to the full-length galectin-3 molecule.
Clone:	9C4
Isotype:	IgG1
Format:	This antibody is supplied as tissue culture supernatant containing sodium azide as a preservative.
Titer/Working Dilution:	This antibody may be diluted to a titer of 1:50-1:75 in an ABC method. The final dilution should be determined by the user depending on the staining conditions employed.
Staining Protocol:	We suggest an incubation period of 60 minutes at room temperature. Optimal incubation should be determined by the user depending upon the fixation conditions and staining system employed. <u>Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining.</u>
Specificity:	Galectin-3 is a member of the β -galactosidase binding lectin family. Cell surface galectin-3 may be involved in homotypical cell adhesion and is down-regulated in colon and breast cancer. Down-regulation of galectin-3 could be one of the many events that enable cancer cells to interact with laminin into facilitate invasion and metastasis. Galectin-3 has been detected in anaplastic large cell lymphomas.
Positive Control:	Prostate
Cellular Localization:	Cytoplasmic
Storage:	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
References:	i) Castronovo et al. J Pathol 179: 43, 1996. ii) Fernandez et al. J Pathol 181: 80, 1997. iii) Gasbarri et al. J Clin Oncol 17: 3494, 1999. iv) Kasper et al. J Pathol 179: 309, 1996.

IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

DBS

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