

## BM5116S

## Monoclonal Antibody to B-Cells - Supernatant

<b>Quantity:</b>	1 ml
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	MB2
<b>Immunogen:</b>	Isolated from Human lymphocytes
<b>Format:</b>	<b>State:</b> Liquid Culture Supernatant <b>Buffer System:</b> 0.09% Sodium Azide
<b>Applications:</b>	<b>Immunoblotting.</b> <b>Immunohistochemistry on Frozen Sections.</b> <b>Immunohistochemistry on Paraffin Sections:</b> For use in paraffin embedded tissue no antigen pretreatment is needed but better results could be obtained if a TUF pretreatment is preformed with an antibody dilution of 1/20. <i>Recommended Dilutions:</i> Working dilution for regular immunohistochemistry is approximately 1/5-1/40, but the optimal dilution should be tested by serial dilutions. <i>Recommended Positive Control:</i> Tonsil, Lymph nodes. <i>Incubation time:</i> 60 min at RT. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	The antibody MB2 is an excellent Marker for lymphoma diagnosis. This MB2 antibody reacts with all B-cells. Further positive reaction with epithelia and endothelium was observed. MB2 recognizes neuraminidase-resistant cytoplasmic 28 kDa antigen, expressed strongly on B-cells and weakly on mature T-cells; no reaction with immature T-cells; negative staining with plasmacytomas.
<b>Species Reactivity:</b>	<b>Tested:</b> Human.
<b>Storage:</b>	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Poppema S, Hollema H, Visser L, Vos H. Monoclonal antibodies (MT1, MT2, MB1, MB2, MB3) reactive with leukocyte subsets in paraffin-embedded tissue sections. <i>Am J Pathol.</i> 1987 Jun;127(3):418-29. PubMed PMID: 3296769. 2. Hall PA, D'Ardenne AJ, Butler MG, Habeshaw JR, Stansfeld AG. New marker of B lymphocytes, MB2: comparison with other lymphocyte subset markers active in conventionally processed tissue sections. <i>J Clin Pathol.</i> 1987 Feb;40(2):151-6. PubMed PMID: 3546393. 3. Dehou MF, Schots R, Lacor P, Arras N, Verhavert P, Klöppel G, et al. Diagnostic and prognostic value of the MB2 monoclonal antibody in paraffin-embedded bone marrow sections of patients with multiple myeloma and monoclonal gammopathy of undetermined significance. <i>Am J Clin Pathol.</i> 1990 Sep;94(3):287-91. PubMed PMID: 1697732.

4. Schmid C, Pan L, Diss T, Isaacson PG. Expression of B-cell antigens by Hodgkin's and Reed-Sternberg cells. *Am J Pathol.* 1991 Oct;139(4):701-7. PubMed PMID: 1656757.
5. Fukuda T, Ohnishi Y, Hasegawa T, Kakihara T, Usuda H. Distribution of antigens detected with MB1, MB2 and MB3 on non-hematopoietic human organs and various tumors. *Acta Pathol Jpn.* 1992 May;42(5):339-46. PubMed PMID: 1636436.