

CD23, B-Cell, (Clone MHM6)

Description:

Species: Mouse, Monoclonal.

Immunogen: EBV-transformed B lymphoblastoid cells.

Clone: MHM6.

Isotype: IgG1, Kappa.

Format: This antibody has been pretitered and quality controlled to work on formalin-fixed paraffin-embedded as well as acetone fixed cryostat tissue sections. No further titration is required.

Specificity: In lymphoid tissue, the antibody labels a variable proportion of mantle zone lymphocytes and a fraction of dendritic reticulum cells. In lymph nodes with progressive germinal centre transformation, the number and staining intensity of small follicular lymphocytes are increased. Essentially no staining is seen on splenic marginal zone lymphocytes.

The CD23 antigen is expressed on neoplastic cells from cases of B-Cell chronic lymphocytic leukemia and some cases of centroblastic/centrocytic lymphoma, but not in other types of lymphoid neoplasms.

A large number of normal non-lymphoid human tissues do not react with CD23, (Clone MHM6) including: central nervous system, endocrine glands, gastrointestinal, respiratory, urinary, reproductive system, skin, bone, cartilage, connective tissue, muscle, peripheral nerves, vessels, mesothelium, synovium, placenta and umbilical cord.

Uses/Limitations: Immunohistochemistry
For Research Use Only.
Do not use past expiration date.

Storage: 2-8° Centigrade.

Procedure: We suggest an incubation period of 30-60 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user. For formalin-fixed paraffin-embedded tissue pretreatment with Citrate Plus (catalog # CPL500) is **required**.

Precautions: Contains Sodium Azide as a preservative.
Do not pipette by mouth.

References:

- 1) Kukutani et al. White Cell Differentiation Antigens, 419-22, 1987.
- 2) Sarfati et al. White Cell Differentiation Antigens, 530-3, 1995.
- 3) Thorely-Lawson et al. J Immunol 134: 3007-12, 1985.
- 4) Defrance et al. J Exp Med, 179: 135-43, 1994
- 5) Defrance et al. J Exp Med 179: 135-43, 1994

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- 6) Aubry et al. White Cell Differentiation Antigens, 417-19, 1987.
- 7) Hardie et al. Eur J Immunol 23: 997-1004, 1993.
- 8) Kikutani et al. J Exp Med 164: 1455-69, 1986
- 9) Rowe et al. Int J Cancer 29: 373-81, 1982
- 10) Pallesen et al. White Cell Differentiation Antigens, 383-6, 1987.