P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 - Fax (435) 755-0015 - www.scytek.com

CD23, B-Cell

Availability/Contents:

Item #	Volume
A20081	2 ml
A00081	6 ml
A00081.25	25 ml

Description:

Species:	Mouse
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 neaoplatic 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, cartilege, connective tissue, muscle, peripheral nerves, vessels, mesothelium, synovium, placenta and umbelical cord.
Species Reactivity:	Human
Positive Control:	Tonsil
Cellular Localization:	Cell Membrane
Titer/Working Dilution:	No further dilution is required.
Microbiological State:	This product is not sterile.

Uses/Limitations: For In Vitro Diagnostic Use.
This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
Do not use past expiration date.

Storage and Stability: 2-8º Centigrade.
Product is stable for 24 months from date of manufacture.
If reagent is not stored as recommended, performance must be validated by the user.

Procedure:

1. Tissue Section Pretreatment: (REQUIRED) Staining of formalin fixed, paraffin embedded tissue sections is enhanced by pretreatment with Citrate Plus (ScyTek catalog# CPL500) or 10mM citrate buffer, pH 6.0 (ScyTek Catalog# CBB500, see IFU for instructions).

Storage: 2°C – 8°C

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CE IVD

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2. Primary Antibody Incubation Time: 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.

3. Visualization: For maximum staining intensity we recommend the "Retrieval HRP Anti-Polyvalent Lab Pack" (ScyTek catalog# RPL125, see IFU for instructions) combined with the "DAB Chromogen/Substrate Bulk Pack (High Contrast)" (ScyTek catalog# ACV500, see IFU for instructions).

Precautions: Contains Sodium Azide as a preservative (0.09% w/v).
Do not pipette by mouth.
Avoid contact of reagents and specimens with skin and mucous membranes.
Avoid microbial contamination of reagents or increased nonspecific staining may occur.
This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.

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
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.

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