MONOSAN®

Mouse anti-CD23, clone 1B12

Clone no.   1B12   MONOSAN Ready To Use

Product name	Mouse anti-CD23, clone 1B12
Host	Mouse
Applications	IHC-P
Species reactivity	human
Conjugate	-
Immunogen	Unknown or proprietery to MONOSAN and/or its suppliers
Isotype	IgG1-k
Clonality	Monoclonal
Clone number	1B12
Size	7 ml
Concentration	n/a
Format	-
Storage buffer	Tris Buffer, pH 7.3-7.7, containing 1% BSA and <0.1% Sodium Azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

Additional info

CD23 antigen is a 45-60 kDa membrane glycoprotein identified as a low affinity receptor for IgE production as well as a receptor for lymphocyte growth factor. CD23 is found in some mature B-cell lymphomas and in Reed-Sternberg cells in Hodgkin disease. Follicular dendritic cells and some activated B-cells within germinal centers express CD23 in high density and mantle zone B-cells are stained. The majority of chronic lymphocytic leukemias/small lymphocytic lymphomas are anti-CD23 positive, whereas mantle cell lymphomas are generally negative, so this marker is useful when applied with other markers to separate the small cell lymphomas.1,3 Precursor B and T lymphomas, myeloid neoplasms, and mature T-cell lymphomas are CD23 negative and other small cell lymphomas are occasionally positive. Anti-CD23 is expressed in activated mature B-cells expressing IgM or IgD, monocytes/macrophages, follicular dendritic cells, T-cell subsets, eosinophils, Langerhans cells and small lymphocytic lymphoma/chronic lymphocytic leukemia.

References   1.   Kaiserlian, D, et al., Immunology 1993;80:90-95
                     2   Aubry, JP et al., Oxford Univ Press- Oxford, NY, Tokyo 1987:417-419
                     3.   Pallesen G, Oxford Univ Press-Oxford, NY, Tokyo 1987:383-386
                     4.   Pezzella F et al. Br j Haematol. 2000 Feb;108(2): 369-76
                     5.   Kurtin PJ et al. Am J Clin Pathol. 1999 Sep;112(3): 319-29

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