

Mouse Anti-CD23 [HD50]: MC0158, MC0158RTU7

Intended Use: For Research Use Only

Description: 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.¹ Follicular dendritic cells and some activated B-cells within germinal centers express CD23 in high density and mantle zone B-cells are stained weakly.² The majority of chronic lymphocytic leukemias/small lymphocytic lymphomas are 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.² Precursor B and T lymphomas, myeloid neoplasms, and mature T-cell lymphomas are CD23 negative and other small cell lymphomas are occasionally positive.³ CD23 is also positive on 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 (SLL/CLL).

Specifications

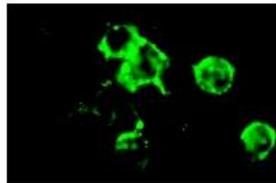
Clone: HD50
Source: Mouse
Isotype: IgG2b
Localization: Membrane
Formulation: Antibody in PBS pH7.5, containing BSA and < 0.09% sodium azide (NaN₃)
Storage: Store at 2°- 8°C
Applications: IHC, Flow Cyt., ICC/IF, IP
Package:

Description	Catalog No.	Size
CD23 Concentrated	MC0158	1 ml
CD23 Prediluted	MC0158RTU7	7 ml

IHC Procedure*

Positive Control Tissue: Tonsil, B cell chronic lymphocytic leukemia
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0 and EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



IF staining of methanol-fixed GA 10 cells by anti-CD23

References:

1. Follicular dendritic cell sarcoma of the spleen: A case report and review of the literature. Wang, L. et al. *Oncol Lett.* 12: 2062-2064, 2016.
2. A novel peptide ADAM8 inhibitor attenuates bronchial hyperresponsiveness and Th2 cytokine mediated inflammation of murine asthmatic models. Chen J, et al. *Sci Rep* 6:30451, 2016.