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DATA SHEET

Mouse Anti-BOB.1 [BOB1/2424]: MC0239, MC0239RTU7

Intended Use: For Research Use Only

Description: BOB.1, also known as B-cell-specific coactivator OBF-1 or OCA-B, is a lymphoid-specific transcriptional coactivator that interacts with the transcription factors Oct-1 and Oct-2. BOB.1 has been shown to be critical for the development of a normal immune response, where it mediates octamer-dependent transcriptional activity in B lymphocytes. It is also critically involved in the formation of germinal centers in secondary lymphoid organs. BOB.1 levels have been observed to be massively upregulated in germinal center B cells, as compared with resting B cells. The BOB.1 antibody labels B lymphocytes and plasma cells. It is expressed in various B cell derived lymphomas and Hodgkin's lymphomas (HL). The expression of BOB.1 is high in Nodular lymphocyte predominant Hodgkin lymphoma (NLPHL), but low in classic HL.

Specifications:

Clone:	BOB1/2424
Source:	Mouse
Isotype:	IgG2b/k
Reactivity:	Human
Immunogen:	Recombinant fragment aa 148-255 of human BOB1 protein
Localization:	Nucleus
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, Flow Cyt., IF, WB

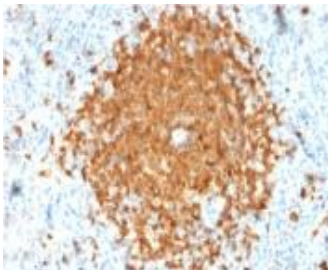
Package:

Description	Catalog No.	Size
BOB.1 Concentrated	MC0239	1 ml
BOB.1 Prediluted	MC0239RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Tonsil, lymphoma
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 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.



FFPE human spleen stained with anti-BOB.1 using DAB

References:

1. Analysis of Transcription Factor OCT.1, OCT.2 and BOB.1 Expression Using Tissue Arrays in Classical Hodgkin's Lymphoma. Mónica García-Cosío, et al. Mod Pathol, 17 (12), 1531-8 Dec 2004.
2. Differential Emu Enhancer Activity and Expression of BOB.1/OBF.1, Oct2, PU.1, and Immunoglobulin in Reactive B-cell Populations, B-cell non-Hodgkin Lymphomas, and Hodgkin Lymphomas. Christoph Loddenkemper, et al. J Pathol, 202 (1), 60-9 Jan 2004.
3. The B Lymphocyte-Specific Coactivator BOB.1/OBF.1 Is Required at Multiple Stages of B-cell Development. J Hess, et al. Mol Cell Biol, 21 (5), 1531-9 Mar 2001.

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