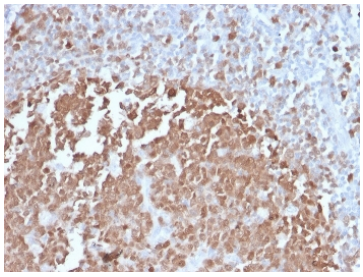
BOB.1 Antibody [clone BOB1/2422] (V8023)

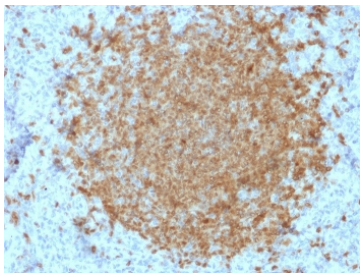
Catalog No.	Formulation	Size
V8023-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8023-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8023SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

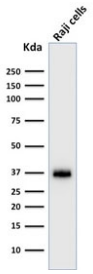
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	BOB1/2422
Purity	Protein G affinity chromatography
UniProt	Q16633
Localization	Nuclear
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This BOB.1 antibody is available for research use only.



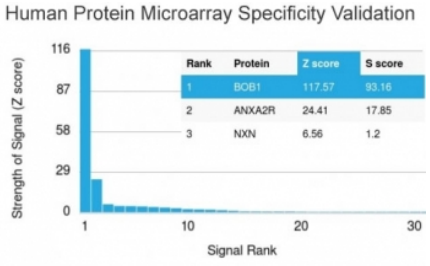
IHC testing of FFPE human tonsil with BOB.1 antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



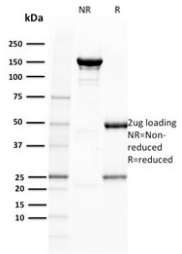
IHC testing of FFPE human spleen with BOB.1 antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



Western blot testing of human Raji cell lysate with BOB.1 antibody. Predicted molecular weight: ~28 kDa (unmodified), 35-40 kDa (ubiquitinated).



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using BOB.1 antibody (clone BOB1/2422). These results demonstrate the foremost specificity of the BOB1/2422 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free BOB.1 antibody as confirmation of integrity and purity.

Description

BOB.1 expression in a variety of established B-cell lines, representing different stages of B-cell development, has suggested a constitutive, B-cell-specific expression pattern. LP cells in nodular lymphocyte predominant Hodgkin lymphoma, because they are germinal center-derived, are consistently immuno-positive for BOB.1. Conversely, only some cases of classical Hodgkin lymphoma show BOB.1 immuno-reactivity within the Hodgkin and Reed-Sternberg cells. Expression of BOB.1 has been reported in follicular center cell lymphoma, diffuse large B-cell lymphoma and some cases of acute myeloid leukemia. B-CLL, marginal zone lymphoma, and mantle cell lymphoma may show weak to moderate immunoreactivity.

Application Notes

Optimal dilution of the BOB.1 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 148-255 from the human protein was used as the immunogen for the BOB.1 antibody.

Storage

Store the BOB.1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).