Technical Data Sheet

InVivoMAb anti-mouse BAFF-R (CD268)

Attention: Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at https://bioxcell.com/terms-and-conditions.

Lot Specific Information

Lot Number: **Lot Specific***
Volume: **Lot Specific***
Concentration: **Lot Specific* (generally 4 to 11 mg/ml) ***
Total Protein: **Lot Specific***

*This information will be noted on the certificate of analysis that ships with this product.

Product Information

Catalog Number:	**BE0460**
Clone:	**9B9**
Isotype:	Rat IgG2b, κ
Recommended Isotype Control(s):	InVivoMAb rat IgG2b isotype control, anti-keyhole limpet hemocyanin
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Y3 cells overexpressing mouse BAFF-R
Reported Applications:	*in vivo* blocking of BAFF-R *in vitro* blocking of BAFF-R Flow cytometry
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	≤1EU/mg (≤0.001EU/μg) Determined by LAL gel clotting assay
Purity:	≥95% Determined by SDS-PAGE
Sterility:	0.2 μm filtered
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	
Molecular Weight:	150 kDa

Description

The 9B9 monoclonal antibody reacts with mouse B-cell activating factor receptor (BAFF-R), also known as tumor necrosis factor receptor superfamily member 13c (Tnfrsf13c), or B-cell maturation defect 1 (Bcmd1). BAFF-R is expressed as a single-pass type III membrane protein, which is highly expressed in the spleen and testis and at lower levels in the lung and thymus. BAFF-R acts as a specific receptor for its ligand BAFF, and their interaction regulates primary B cell survival, selection, and differentiation under physiological as well as disease conditions. In vivo experiments on Baff−/− and Baffr−/− mice, or studies on BAFFR deficiency in humans, have linked these molecules to impaired B cell survival from the transitional B cell stage on, resulting in B cell lymphopenia, low IgG and IgM titers, and malfunctioning of humoral immune responses. Some neurological diseases like multiple sclerosis (MS) and Alzheimer's disease (AD) are known to have an aberrant expression of BAFF-R. This receptor is also linked to the growth of cancer cells, and it is emerging as an attractive target for B cell cancers (especially chronic lymphocytic leukemia), hepatocellular carcinoma (HCC), and non-small cell lung cancer (NSCLC).

Storage

Store at the stock concentration at 4°C . **Do not freeze.**
It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at

https://bioxcell.com/faqs.

Protocol Information

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

Application References

For a complete list of references, visit https://bioxcell.com/be0460?bxcs=9k1b3a#tab_references or scan the QR code below.

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