Technical Data Sheet

InVivoMAb anti-mouse Nonclassical MHC Class I molecule Qa-1b

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:	**BE0165**
Clone:	**4C2.4A7.5H11**
Isotype:	Mouse IgG1
Recommended Isotype Control(s):	InVivoMAb mouse IgG1 isotype control, unknown specificity
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Peptide corresponding to residues 161-179 of Qa-1b
Reported Applications:	Western blot Immunofluorescence
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	<2EU/mg (<0.002EU/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 A
RRID:	AB_10949623
Molecular Weight:	150 kDa

Description

The 4C2.4A7.5H11 monoclonal antibody reacts with the mouse non-classical MHC class I molecule Qa-1b. Qa-1b is the functional homolog of HLA-E in humans and is characterized by its limited polymorphisms and small peptide repertoire. Qa-1b interacts with NK cells through the CD94/NKG2 family of receptors. Upon binding, Qa-1b signals NK cells not to engage in cell lysis.

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/catalogsearch/result/?q=BE0165#tab_references or scan the QR code below.

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