Technical Data Sheet

InVivoMAb anti-mouse TCR Vγ1.1/Cr4

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:	**BE0257**
Clone:	**2.11**
Isotype:	Armenian hamster IgG
Recommended Isotype Control(s):	InVivoMAb polyclonal Armenian hamster IgG
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	3.13.1 T cell hybridoma
Reported Applications:	*in vivo* Vγ1 TCR+ cell depletion 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:	AB_2687736
Molecular Weight:	150 kDa

Description

The 2.11 monoclonal antibody reacts with an epitope in the Cr4 domain of TCR Vγ1.1 (T cell receptor V gamma 1.1). The TCR is expressed on the surface of T lymphocytes and is responsible for recognizing fragments of antigen as peptides bound to MHC molecules. When the TCR engages with antigenic peptide and MHC the T lymphocyte is activated through signal transduction. The Vγ1Jγ4Cγ4 chain is expressed by a major population of γδ T cells in the thymus and peripheral lymphoid organs of adult mice. However, during postnatal and early life stages only a minor population of γδ T cells express Vγ1Jγ4Cγ4 during fetal and early postnatal life.

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/be0257?bxcs=9k1b3a#tab_references or scan the QR code below.

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