Technical Data Sheet

InVivoMAb anti-mouse CD1d (CD1.1)

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:	**BE0179**
Clone:	**20H2 (HB323)**
Isotype:	Rat IgG1, κ
Recommended Isotype Control(s):	InVivoMAb rat IgG1 isotype control, anti-horseradish peroxidase
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	CD1.1-transfected rat cell line RBL-CD1.1 followed by CD1.1-transfected human cell line CR1-CD1.1
Reported Applications:	iNKT cell neutralization *in vivo* CD1d blockade Flow cytometry
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 G
RRID:	AB_10949293
Molecular Weight:	150 kDa

Description

The 20H2 monoclonal antibody reacts with mouse CD1d also known as CD1.1. CD1d is a 48 kDa type I membrane glycoprotein and a member of the CD1 family of glycoproteins. CD1d is a non-classical MHC protein with structural homology to class I MHC molecules. CD1d is expressed on the surface of various antigen-presenting cells and is involved in the presentation of non-peptide glycolipid antigens to to CD1d-restricted T cells. CD1d-presented glycolipid antigens activate invariant natural killer T (iNKT) cells, through the interaction with the T-cell receptor present on iNKT cell membranes. When activated, iNKT cells rapidly produce Th1 and Th2 cytokines.

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/be0179?bxcs=9k1b3a#tab_references or scan the QR code below.

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