Technical Data Sheet

InVivoMAb anti-mouse CD209b (SIGN-R1)

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:	**BE0220**
Clone:	**22D1**
Isotype:	Armenian Hamster IgG, κ
Recommended Isotype Control(s):	InVivoMAb polyclonal Armenian hamster IgG
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	C-terminal peptide of mouse SIGN-R1
Reported Applications:	*in vivo* SIGN-R1 blockade Immunohistochemistry (frozen) Western blot 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_2687704
Molecular Weight:	150 kDa

Description

The 22D1 monoclonal antibody reacts with mouse CD209b also known as SIGN-R1. CD209b is a 37 kDa type II transmembrane C-type lectin receptor. CD209b is expressed on the surface of splenic marginal zone and lymph node medullary macrophages and is commonly used as a marker for these cells. The CD209b protein is involved in the innate immune response, it binds to and initiates uptake of various microorganisms by recognizing high-mannose-containing glycoproteins on their envelopes. The 22D1 antibody has been reported to block CD209b in vivo.

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=BE0220#tab_references or scan the QR code below.

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