

Technical Data Sheet

InVivoMAb anti-mouse CD106 (VCAM-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: BE0027
Clone: M/K-2.7
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: Stromal cells from mouse bone marrow
Reported Applications: *in vivo* VCAM-1 neutralization
Immunofluorescence
Formulation: PBS, pH 7.0
Contains no stabilizers or preservatives
Endotoxin: <2EU/mg (<0.002EU/ μ g)
Determined by LAL gel clotting assay
Purity: >95%
Determined by SDS-PAGE
Sterility: 0.2 μ m filtered
Production: Purified from cell culture supernatant in an animal-free facility
Purification: Protein G
RRID: [AB_1107572](https://ebi.ac.uk/ols/ontologies/ab/term/AB_1107572)
Molecular Weight: 150 kDa

Description

The M/K-2.7 monoclonal antibody reacts with CD106 also known as VCAM-1 and INCAM-110. CD106 is a 110 kDa single chain type I glycoprotein that is expressed primarily on activated vascular endothelial cells but has also been reported on follicular and interfollicular dendritic cells, some macrophages, bone marrow stromal cells, and non-vascular cell populations within joints, kidney, muscle, heart, placenta, and brain. CD106 expression is induced by inflammatory stimuli and cytokines. CD106 binds the integrins CD49d/CD29 (VLA-4) and α 4 β 7 which contribute to leukocyte adhesion, transmigration, and co-stimulation of T cell proliferation.

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/be0027?bxcs=9k1b3a#tab_references or scan the QR code below.



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