

Technical Data Sheet

InVivoMAb anti-mouse/human VLA-4 (CD49d)



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: BE0071
Clone: PS/2
Isotype: Rat IgG2b, κ
Recommended Isotype Control(s): InVivoMAb rat IgG2b isotype control, anti-keyhole limpet hemocyanin
Recommended Dilution Buffer: InVivoPure pH 6.5 Dilution Buffer
Immunogen: Mouse P815 mast cells
Reported Applications: *in vivo* VLA-4 neutralization
in vitro VLA-4 neutralization
Flow cytometry
Formulation: PBS, pH 6.5
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_1107657](https://www.ebi.ac.uk/rrd/AB_1107657)
Molecular Weight: 150 kDa

Description

The PS/2 monoclonal antibody reacts with human and mouse VLA-4 α chain also known as CD49d and integrin α 4. VLA-4 is a 150 kDa glycoprotein belonging to the integrin family that is expressed by many cell types including T and B lymphocytes, monocytes, eosinophils, basophils, mast cells, thymocytes, NK cells, and dendritic cells. Integrin α 4 associates with integrin β 7 to form integrin α 4 β 7 also known as LPAM-1 as well as integrin β 1 (CD29) to form integrin α 4 β 1 also known as VLA-4. Integrin α 4 plays roles in adhesion and T cell co-stimulation. Integrin α 4 ligands include VCAM-1, MAdCAM-1, and fibronectin. The PS/2 antibody is useful for *in vivo* and *in vitro* VLA-4 neutralization.

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/be0071?bxcs=9k1b3a#tab_references or scan the QR code below.



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