

InVivoMAb anti-mouse/human Integrin β 7

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:	BE0062
Clone:	FIB504
Isotype:	Rat IgG2a, κ
Recommended Isotype Control(s):	InVivoMAb rat IgG2a isotype control, anti-trinitrophenol
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	TK1 cells
Reported Applications:	Immunoprecipitation Western blot Flow cytometry
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 tissue culture supernatant in an animal free facility
Purification:	Protein G
RRID:	AB_1107715
Molecular Weight:	150 kDa

Description

The FIB504 monoclonal antibody reacts with human and mouse Integrin beta 7 which is a 130 kDa glycoprotein belonging to the Ig superfamily. Integrin β 7 associates with integrin α 4 (CD49d) to form integrin α 4 β 7 also known as LPAM-1 as well as integrin α E (CD103) to form integrin α E β 7. Integrin α 4 β 7 signals when bound to its ligands VCAM-1 (CD106), MAdCAM-1 and fibronectin, while integrin α E β 7 binds to E-cadherin (CD324). Integrin α 4 β 7 is expressed by peripheral lymphocytes, small subsets of thymocytes, and bone marrow progenitors while integrin α E β 7 is expressed on intestinal intraepithelial lymphocytes, T regulatory cells, and a subset of CD8+ T cells in the lamina propria and lymph nodes. Integrin β 7 plays roles in the adhesion of immune cells to endothelial cells thereby mediating cell migration and homing during an inflammatory response. The FIB504 antibody has been shown to have blocking activity.

Shelf-life and Storage

Store at the stock concentration at 4°C. **Do not freeze.**

All Bio X Cell antibodies have a guaranteed shelf-life of one year from the date of customer receipt when stored as recommended. 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 bxcell.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://bxcell.com/product/m-integrin-beta/#references> or scan the QR code below.

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