

InVivoMAb anti-mouse CD28

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:	BE0015-1
Clone:	37.51
Isotype:	Syrian Hamster IgG2
Recommended Isotype Control(s):	InVivoMAb polyclonal Syrian hamster IgG
Recommended Dilution Buffer:	InVivoPure pH 6.0T Dilution Buffer
Immunogen:	C57BL/6 mouse T cell lymphoma EL-4 cells <i>in vitro</i> T cell stimulation/activation <i>in vivo</i> CD28 blockade
Reported Applications:	
Formulation:	PBS, pH 6.0 0.01% Tween 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 tissue culture supernatant in an animal free facility
Purification:	Protein G
RRID:	AB_1107624
Molecular Weight:	150 kDa

Description

The 37.51 monoclonal antibody reacts with mouse CD28, a 45 kDa costimulatory receptor and a member of the Ig superfamily. CD28 is expressed by thymocytes, most peripheral T cells, and NK cells. CD28 is a receptor for CD80 (B7-1) and CD86 (B7-2). Signaling through CD28 augments IL-2 and IL-2 receptor expression as well as cytotoxicity of CD3-activated T cells. The 37.51 antibody has been shown to stimulate the proliferation and cytokine production by activated T and NK cells and provide a costimulatory signal for CTL induction.

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-cd28/#references> or scan the QR code below.

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