



**InVivoMAb anti-mouse CD28**

**Lot Specific Information**

<b>Lot Number:</b>	Lot Specific*
<b>Volume:</b>	Lot Specific*
<b>Concentration:</b>	Lot Specific* (generally 4 to 11 mg/ml) *
<b>Total Protein:</b>	Lot Specific*

\*This information will be noted on the certificate of analysis that ships with this product.

**Product Information**

<b>Catalog Number:</b>	<b>BE0015-5</b>
<b>Clone:</b>	<b>PV-1</b>
<b>Isotype:</b>	Armenian Hamster IgG, κ
<b>Recommended Isotype Control(s):</b>	InVivoMAb polyclonal Armenian hamster IgG
<b>Recommended Dilution Buffer:</b>	InVivoPure pH 7.0 Dilution Buffer
<b>Immunogen:</b>	C57BL/6 mouse T cell lymphoma EL-4 cells
<b>Reported Applications:</b>	<i>in vitro</i> T cell stimulation/activation
<b>Formulation:</b>	PBS, pH 7.0 Contains no stabilizers or preservatives
<b>Endotoxin:</b>	<2EU/mg (<0.002EU/μg) Determined by LAL gel clotting assay
<b>Purity:</b>	>95% Determined by SDS-PAGE
<b>Sterility:</b>	0.2 μm filtered
<b>Production:</b>	Purified from tissue culture supernatant in an animal free facility
<b>Purification:</b>	Protein G
<b>RRID:</b>	AB_1107628
<b>Molecular Weight:</b>	150 kDa

**Description**

The PV-1 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 PV-1 antibody has been shown to stimulate the proliferation and cytokine production by activated T and NK cells.

**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](https://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-cd28-5/#references> or scan the QR code below.

**Bio X Cell, Inc.**

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