

## InVivoMAb anti-mouse IL-27 p28

### 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>BE0326</b>
<b>Clone:</b>	<b>MM27.7B1</b>
<b>Isotype:</b>	Mouse IgG2a, κ
<b>Recommended Isotype Control(s):</b>	InVivoMAb mouse IgG2a isotype control, unknown specificity
<b>Recommended Dilution Buffer:</b>	InVivoPure pH 7.0 Dilution Buffer
<b>Immunogen:</b>	Mouse IL-27 <i>in vivo</i> IL-27 p28 neutralization <i>in vitro</i> IL-27 p28 neutralization Flow cytometry
<b>Reported Applications:</b>	PBS, pH 7.0 Contains no stabilizers or preservatives
<b>Formulation:</b>	<2EU/mg (<0.002EU/μg) Determined by LAL gel clotting assay
<b>Endotoxin:</b>	>95% Determined by SDS-PAGE
<b>Purity:</b>	0.2 μM filtered
<b>Sterility:</b>	Purified from tissue culture supernatant in an animal free facility
<b>Production:</b>	Protein A
<b>Purification:</b>	AB_2819053
<b>RRID:</b>	150 kDa
<b>Molecular Weight:</b>	

### Description

The MM27.7B1 monoclonal antibody reacts with the p28 subunit of mouse IL-27, a member of the IL-6/IL-12 cytokine family. IL-27 is a heterodimeric cytokine composed of the EB13 (Epstein-Barr virus induced gene 3) protein and the p28 subunit, also known as IL-30. Myeloid cells including macrophages, inflammatory monocytes, microglia, and dendritic cells are the dominant cellular sources of IL-27. These cells secrete IL-27 in response to TLR ligands and inflammatory cytokines. IL-27 p28 signals through IL-27 receptors (IL-27R) which are highly expressed by NK cells and activated T cells and to a lesser extent on B cells, naïve T cells, and others. IL-27 signaling has been shown to have both pro-inflammatory and anti-inflammatory effects. Signaling through IL-27R promotes Th1 polarization and IFNγ production but also suppresses the differentiation and proliferation of Th2 and Th17 cells and induces the expression of IL-10. The MM27.7B1 clone has been shown to neutralize the bioactivity of mouse IL-27 *in vivo* and *in vitro* and reported to also bind and inhibit human IL-27.

### 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/invivomab-anti-mouse-il-27-p28-clone-mm27-7b1/#references> or scan the QR code below.

### Bio X Cell, Inc.

bxcell.com  
1.866.787.3444  
[customerservice@bxcell.com](mailto:customerservice@bxcell.com)

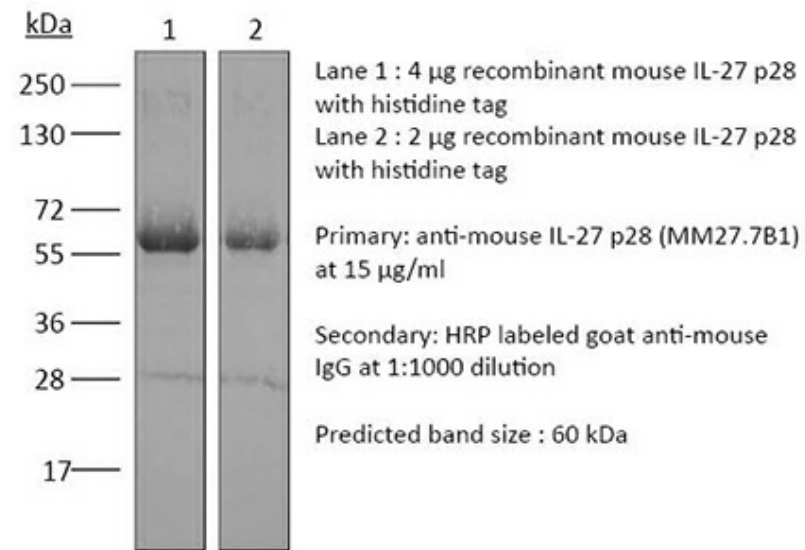
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### Binding Validation

Western blot data shown below confirms that this clone binds to its target antigen. For lot specific binding validation data, email [technicalservice@bxcell.com](mailto:technicalservice@bxcell.com).



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1.866.787.3444

[customerservice@bxcell.com](mailto:customerservice@bxcell.com)

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