

## InVivoMAb anti-mouse TL1A (TNFSF15)

### 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>BE0323</b>
<b>Clone:</b>	<b>5G4.6</b>
<b>Isotype:</b>	Armenian Hamster IgG
<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>	Recombinant murine TL1A <i>in vivo</i> TL1A 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_2819050
<b>RRID:</b>	150 kDa
<b>Molecular Weight:</b>	

### Description

The 5G4.6 monoclonal antibody reacts with the TNF family member TL1A, also known as TNFSF15. TL1A is expressed on activated T cells, dendritic cells, monocytes and endothelial cells. TL1A expression has been shown to be induced by pro-inflammatory stimuli such as TNFα and IL-1α. In contrast to the TNFα receptors, which are expressed on essentially all cells, the receptor for TL1A, DR3 (TNFRSF25), is primarily expressed on T cells, NK cells, and NKT cells, thereby limiting the effects of TL1A. TL1A-DR3 interactions are thought to promote effector T cell proliferation at the site of inflammation and in draining lymph nodes. Blockade of TL1A-DR3 interactions strikingly reduces pathology in several animal models in which autoreactive T cells play a role. TL1A has been linked to inflammatory bowel disease. The 5G4.2 antibody has been shown to block TL1A binding to DR3 and reduce disease severity in mouse models of colitis.

### 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-tl1a/#references> or scan the QR code below.

### Bio X Cell, Inc.

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