Technical Data Sheet

InVivoMAb anti-mouse TL1A (TNFSF15)

Attention: Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at https://bioxcell.com/terms-and-conditions.

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:	**BE0323**
Clone:	**5G4.6**
Isotype:	Armenian hamster IgG
Recommended Isotype Control(s):	InVivoMAb polyclonal Armenian hamster IgG
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Recombinant murine TL1A
Reported Applications:	*in vivo* TL1A neutralization Flow cytometry
Formulation:	PBS, pH 7.0 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 filtration
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein A
RRID:	AB_2819050
Molecular Weight:	150 kDa

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.

Storage

Store at the stock concentration at 4°C . **Do not freeze.**
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 https://bioxcell.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://bioxcell.com/be0323?bxcs=9k1b3a#tab_references or scan the QR code below.

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