Technical Data Sheet

InVivoMAb anti-mouse FGL-1

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:	**BE0332**
Clone:	**177R4**
Isotype:	Rat IgG2a, κ
Recommended Isotype Control(s):	InVivoMAb rat IgG2a isotype control, anti-trinitrophenol
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Murine FGL-1-Ig fusion protein
Reported Applications:	*in vivo* FGL-1 blockade *in vitro* FGL-1 blockade Flow cytometry Immunohistochemistry (paraffin)
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	≤1EU/mg (≤0.001EU/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 G
RRID:	AB_2894752
Molecular Weight:	150 kDa

Description

The 177R4 monoclonal antibody reacts with mouse Fibrinogen-like protein 1 (FGL-1). FGL-1 is a member of the fibrinogen family of proteins. Under normal physiological conditions, FGL-1 is primarily secreted from hepatocytes and contributes to mitogenic and metabolic functions. FGL-1 is produced at high levels in various tumors including lung cancer and melanoma. High FGL-1 expression is associated with resistance to anti-PD-1/PD-L1 therapy and poor prognosis of cancer patients. Recently, FGL-1 has been identified as a major inhibitory ligand for LAG-3, a receptor that negatively regulates the proliferation, activation, and effector function of T cells. In murine cancer models, the 177R4 clone has been shown to block FGL-1 binding to LAG-3 resulting in boosted T cell activity and slowed tumor growth.

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/be0332?bxcs=9k1b3a#tab_references or scan the QR code below.

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