

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: <2EU/mg (<0.002EU/ μ g)
Determined by LAL gel clotting assay
Purity: >95%
Determined by SDS-PAGE
Sterility: 0.2 μ m filtration
Production: Purified from cell culture supernatant in an animal-free facility
Purification: Protein G
RRID: [AB_2894752](https://europepmc.org/abstract/DOI/10.26434/chemrxiv-2020-08-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.



Bio X Cell, LLC
<https://bioxcell.com>
+1-866-787-3444
customerservice@bioxcell.com

Conditions: For research use only. Not for use in diagnostic or therapeutic procedures.

Not for resale.

Bio X Cell, Bio X Cell logo, and all other trademarks are the property of Bio X Cell, LLC © 2024 Bio X Cell, LLC