Technical Data Sheet

InVivoMAb anti-mouse 4-1BB (CD137)

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: BE0296
Clone: 17BS
Isotype: Syrian Hamster IgG
Recommended Isotype Control(s): InVivoMAb polyclonal Syrian hamster IgG
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: Not available or unknown
Reported Applications: in vitro 4-1BB blockade
Flow cytometry
Formulation: PBS, pH 7.0
Contains no stabilizers or preservatives
<2EU/mg (<0.002EU/µg)
Determined by LAL gel clotting assay
>95%
Determined by SDS-PAGE
Sterility: 0.2 µm filtration
Production: Purified from tissue culture supernatant in an animal free facility
Purification: Protein A
RRID: AB_2687819
Molecular Weight: 150 kDa

Description

The 17BS monoclonal antibody reacts with mouse 4-1BB, a TNF receptor superfamily member also known as CD137. 4-1BB is a 39 kDa transmembrane protein expressed by T lymphocytes, NK cells, dendritic cells, granulocytes, and mast cells. Upon binding its ligand 4-1BBL, 4-1BB provides costimulatory signals to both CD4 and CD8 T cells through the activation of NF-κB, c-Jun and p38 downstream pathways. The importance of the 4-1BB pathway has been underscored in several diseases, including cancer. The 17BS antibody has been shown to block 4-1BB-mediated T cell proliferation in vitro.

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/faq.

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/inivivomab-anti-mouse-4-1bb-cd137/#references or scan the QR code below.

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