Technical Data Sheet

InVivoMAb anti-human CD3

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: BE0001-2
Clone: OKT-3
Isotype: Mouse IgG2a, k
Recommended Isotype Control(s): InVivoMAb mouse IgG2a isotype control, unknown specificity
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: Not available or unknown

Reported Applications:
in vitro T cell stimulation/activation
in vivo T cell depletion in humanized mice
ex vivo T cell inhibition for xenografts
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 filtered

Production:
Purified from tissue culture supernatant in an animal free facility

Purification:
Protein G

RRID:
AB_1107632

Molecular Weight:
150 kDa

Description
The OKT-3 monoclonal antibody reacts with human CD3ε, a 20 kDa transmembrane cell-surface protein that belongs to the immunoglobulin superfamily. CD3ε is one of five polypeptide chains that combine to form the TCR complex. CD3ε is expressed on T lymphocytes, NK-T cells, and to varying degrees on developing thymocytes. CD3 plays roles in TCR signaling, T lymphocyte activation, and antigen recognition. The OKT-3 antibody has immunosuppressive properties in vivo and has been shown to effectively treat renal, heart and liver allograft rejection.

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.

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/h-cd3/#references or scan the QR code below.