

Technical Data Sheet

InVivoMAb anti-human CD8 α F(ab) fragment



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: BE0004-2FAB
Clone: OKT-8 f(ab) Fragments
Isotype: Mouse IgG2a
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: Human CD8 α
Formulation: PBS, pH 7.0
Contains no stabilizers or preservatives
Endotoxin: ≤ 1 EU/mg (≤ 0.001 EU/ μ g)
Determined by LAL assay
Purity: $\geq 95\%$
Determined by SDS-PAGE and SEC
Sterility: 0.2 μ m filtered
Production: Pepsin Digest
Purification: Protein G
RRID:

Description

This product is a F(ab) fragment derived from the anti-human CD8 α antibody clone OKT-8. CD8 α is a co-receptor expressed on cytotoxic T lymphocytes that enhances T cell receptor (TCR) signaling through interactions with MHC class I molecules. Unlike a full-length antibody, this F(ab) fragment contains only the antigen-binding region and lacks the Fc domain. As a result, the fragment retains specific binding to CD8 α while eliminating Fc-mediated effector functions such as complement activation and Fc γ receptor engagement. This format is useful in experiments where CD8 targeting is desired without triggering immune effector mechanisms, cross-linking, or depletion of CD8 $^+$ T cells. F(ab) fragments targeting CD8 α may also be useful in emerging targeted delivery strategies. For example, F(ab) fragments can be used to coat nanoparticles or other delivery systems to selectively target CD8 $^+$ T cells and deliver genetic payloads such as CAR constructs directly in vivo. By avoiding Fc-mediated immune interactions, F(ab) fragments can help preserve target cells while enabling receptor-specific targeting and delivery. This anti-human CD8 α F(ab) fragment therefore provides a useful reagent for studies focused on CD8 $^+$ T cell targeting, receptor engagement without Fc effects, and targeted delivery approaches.

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/be0004-2fab?bxcs=9k1b3a#tab_references or scan the QR code below.



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