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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: BE0168
Clone: UC3-10A6
Isotype: Armenian Hamster IgG, κ
Recommended Isotype Control(s): InVivoMAb polyclonal Armenian hamster IgG
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: G8 mouse T cells
Reported Applications: *in vivo* $\gamma\delta$ T cell depletion
Flow cytometry
Formulation: PBS, pH 7.0
Contains no stabilizers or preservatives
Endotoxin: ≤ 1 EU/mg (≤ 0.001 EU/ μ g)
Determined by LAL gel clotting assay
Purity: $\geq 95\%$
Determined by SDS-PAGE
Sterility: 0.2 μ m filtered
Production: Purified from cell culture supernatant in an animal-free facility
Purification: Protein G
RRID: [AB_10950109](https://europe.rrid.org/AB_10950109)
Molecular Weight: 150 kDa

Description

The UC3-10A6 monoclonal antibody reacts with an epitope on the delta chain of the mouse V γ 2 TCR (V gamma 2 T cell receptor). V γ 2 TCR expressing T lymphocytes make up a large proportion of the $\gamma\delta$ T cells in late fetal and adult thymus, peripheral lymphoid tissues, lung, intestinal epithelium, and epidermis. The exact function, ligand, and specificity of $\gamma\delta$ TCR-expressing T cells are not completely understood. Studies suggest that these cells recognize bacterial ligands and some tumor cells in the context of MHC class I-like gene products and play a role in regulating the immune response during bacterial infection. The UC3-10A6 antibody has been shown to deplete $\gamma\delta$ T cells when administered *in vivo*.

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/be0168?bxcs=9k1b3a#tab_references or scan the QR code below.



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