

Technical Data Sheet

InVivoMAb anti-rat CD2



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: BE0417
Clone: OX-34
Isotype: Mouse IgG2a, κ
Recommended Isotype Control(s): InVivoMAb mouse IgG2a isotype control, unknown specificity
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: Rat T Blasts
Reported Applications: *in vivo* CD2 blockade
in vitro CD2 blockade
Western blot
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:
Molecular Weight: 150 kDa

Description

The OX-34 monoclonal antibody reacts with rat CD2, a 45-58 kD type I transmembrane glycoprotein, also known as LFA-2, T11 or Ly37. CD2 is a member of the Ig superfamily. CD2 is expressed by peripheral blood lymphocytes, thymocytes, all T cells that form E-rosettes, and a subset of NK cells. CD2 functions as an adhesion receptor that binds to CD58 resulting in the activation of CD2-positive T cells and NK cells and in the regulation of their cytolytic activities. The OX-34 antibody has been shown to block the binding of CD2 to CD48 and attenuate established adjuvant arthritis in rats.

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.

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