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:	≤1EU/mg (≤0.001EU/μg) Determined by LAL gel clotting assay
Purity:	≥95% Determined by SDS-PAGE
Sterility:	0.2 μm 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.

Application References

For a complete list of references, visit https://bioxcell.com/be0417?bxcs=9k1b3a#tab_references or scan the QR code below.

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