Technical Data Sheet

*InVivo*MAb anti-human 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://bxcell.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:	**BE0354**
Clone:	**CB.219**
Isotype:	Mouse IgG2b, K
Recommended Isotype Control(s):	InVivoMAb mouse IgG2b isotype control, unknown specificity
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Human T4+ CTL clone
Reported Applications:	*in vivo* CD2 blockade in huCD2tg mice
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 A
Molecular Weight:	150 kDa

Description

The CB.219 monoclonal antibody reacts with human 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 80-90% of human peripheral blood lymphocytes, 95% of 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 CB.219 antibody interacts with the N-terminal CD58-binding region of CD2.

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/invivomab-anti-human-cd2/#references or scan the QR code below.

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