Technical Data Sheet

InVivoMAb anti-mouse CD28



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:	BE0328
Clone:	D665
Isotype:	Mouse lgG1, к
Recommended Isotype Control(s):	InVivoMAb mouse IgG1 isotype control, unknown specificity
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	A20 cells expressing mouse CD28 and a recombinant mouse CD28-lg fusion protein
Reported Applications:	<i>in viv</i> o Τ cell stimulation/activation <i>in vitr</i> o Τ cell stimulation/activation
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 filtration
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	<u>AB_2819055</u>
Molecular Weight:	150 kDa

Description

The D665 monoclonal antibody reacts with mouse CD28, a 45 kDa costimulatory receptor and a member of the Ig superfamily. CD28 is expressed by thymocytes, most peripheral T cells, and NK cells. CD28 is a receptor for CD80 (B7-1) and CD86 (B7-2). Signaling through CD28 induces IL-2 and IL-2 receptor expression and T cell proliferation. The D665 antibody is a CD28 superagonist and is most commonly used to induce the expansion of Treg cells in vivo in various mouse models of disease.

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

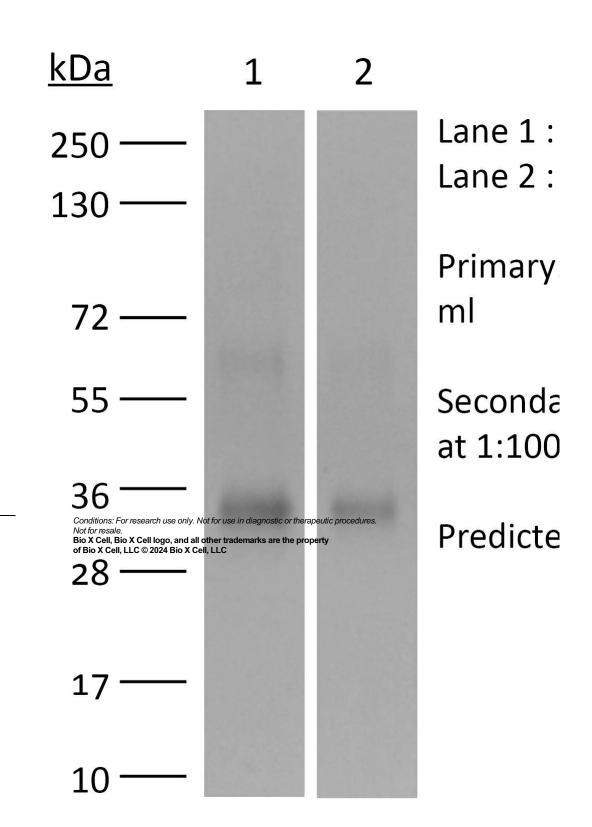
Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

Application References For a complete list of references, visit

Binding Validation

For a complete list of references, visit Validation data shown below confirms that this clone binds to its target antigen. For lot specific binding validation data, e-mail <u>technicalservice@bioxcell.com</u>. <u>https://bioxcell.com/catalogsearch/result/?</u> <u>q=BE0328/#tab_references</u> or scan the QR code below.





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