



**Lot Specific Information**

<b>Lot Number:</b>	Lot Specific*
<b>Volume:</b>	Lot Specific*
<b>Concentration:</b>	Lot Specific* (generally 4 to 11 mg/ml) *
<b>Total Protein:</b>	Lot Specific*

\*This information will be noted on the certificate of analysis that ships with this product.

**Product Information**

<b>Catalog Number:</b>	<b>BE0022</b>
<b>Clone:</b>	<b>FR70</b>
<b>Isotype:</b>	Rat IgG2b, κ
<b>Recommended Isotype Control(s):</b>	InVivoMAb rat IgG2b isotype control, anti-keyhole limpet hemocyanin
<b>Recommended Dilution Buffer:</b>	InVivoPure pH 7.0 Dilution Buffer
<b>Immunogen:</b>	BALB/c mouse B lymphoma A20.2J <i>in vivo</i> CD70 blockade <i>in vitro</i> CD70 blockade Flow cytometry
<b>Reported Applications:</b>	
<b>Formulation:</b>	PBS, pH 7.0 Contains no stabilizers or preservatives
<b>Endotoxin:</b>	<2EU/mg (<0.002EU/μg) Determined by LAL gel clotting assay
<b>Purity:</b>	>95% Determined by SDS-PAGE
<b>Sterility:</b>	0.2 μM filtered
<b>Production:</b>	Purified from tissue culture supernatant in an animal free facility
<b>Purification:</b>	Protein G
<b>RRID:</b>	AB_1107667
<b>Molecular Weight:</b>	150 kDa

**Description**

The FR70 monoclonal antibody reacts with mouse CD70, a 30-33 kDa type II transmembrane glycoprotein and a member of the TNF superfamily. CD70 is expressed by activated mouse T and B lymphocytes and dendritic cells. CD70 is a ligand for CD27 and their interaction promotes T and B cell cross-stimulation and co-stimulation of B cell proliferation and immunoglobulin production. Cells expressing CD70 have been shown to co-stimulate T cell proliferation and induce cytokine production. The FR70 antibody is reported to block CD70 binding to CD27.

**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](https://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/m-cd70/#references> or scan the QR code below.

**Bio X Cell, Inc.**

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