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### 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>BE0374</b>
<b>Clone:</b>	<b>73.3</b>
<b>Isotype:</b>	Mouse IgG1, $\kappa$
<b>Recommended Isotype Control(s):</b>	InVivoMAb mouse IgG1 isotype control, unknown specificity
<b>Recommended Dilution Buffer:</b>	InVivoPure pH 7.0 Dilution Buffer
<b>Immunogen:</b>	Mouse FAP-expressing 3T3 cells
<b>Reported Applications:</b>	Chimeric antigen receptor construction Flow cytometry
<b>Formulation:</b>	PBS, pH 7.0 Contains no stabilizers or preservatives
<b>Endotoxin:</b>	<2EU/mg (<0.002EU/ $\mu$ g) Determined by LAL gel clotting assay
<b>Purity:</b>	>95% Determined by SDS-PAGE
<b>Sterility:</b>	0.2 $\mu$ m filtered
<b>Production:</b>	Purified from tissue culture supernatant in an animal free facility
<b>Purification:</b>	Protein G
<b>Molecular Weight:</b>	150 kDa

### Description

The 73.3 monoclonal antibody reacts with mouse fibroblast activation protein (FAP), a cell-surface serine protease that acts on various hormones and extracellular matrix components. FAP is expressed during embryonic development, in tissues of healing wounds, and in chronic inflammatory and fibrotic conditions. FAP expression is highly upregulated in cancer-associated fibroblasts in epithelial tumors. Cancer-associated fibroblasts overexpression of FAP promotes tumor development and metastasis by influencing extracellular matrix remodeling, intracellular signaling, angiogenesis, epithelial-to-mesenchymal transition, and immunosuppression. The scFv of the 73.3 antibody has been used to construct 73.3-FAP-CAR T cells specific for FAP. Adoptively transferred 73.3-FAP-CAR T cells have been shown to inhibit the growth of multiple syngeneic mouse tumor models.

### 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 [bxccl.com/faqs](https://bxccl.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://bxccl.com/product/invivomab-anti-mouse-fap/#references> or scan the QR code below.

### Bio X Cell, Inc.

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