

Technical Data Sheet

RecombiMAb anti-mouse c-kit F(ab) Fragment (HIS Sortase)



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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 Website Link: <https://bioxcell.com/recombimab-anti-mouse-c-kit-f-ab-fragment-his-sortase-cp070fab>

Product Information

Catalog Number: CP070FAB
Clone: 2B8-CP070FAB
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Mutations: F(ab)
Immunogen: Mouse bone marrow mast cells
Formulation: PBS, pH 7.0
Contains no stabilizers or preservatives
Endotoxin: ≤0.5EU/mg (≤0.0005EU/μg)
Determined by LAL assay
Purity: ≥95%
Determined by SDS-PAGE
Sterility: 0.2 μm filtration
Production: Purified from mammalian cell supernatant in an animal-free facility
Aggregation: <5%
Determined by SEC
Molecular Weight: 50 kDa

Murine Pathogen Test Results

Mouse Norovirus: Negative, Mouse Parvovirus: Negative, Mouse Minute Virus: Negative, Mouse Hepatitis Virus: Negative, Reovirus Screen: Negative, Lymphocytic Choriomeningitis virus: Negative, Lactate Dehydrogenase-Elevating Virus: Negative, Mouse Rotavirus: Negative, Theiler's Murine Encephalomyelitis: Negative, Ectromelia/Mousepox Virus: Negative, Hantavirus: Negative, Polyoma Virus: Negative, Mouse Adenovirus: Negative, Sendai Virus: Negative, Mycoplasma Pulmonis: Negative, Pneumonia Virus of Mice: Negative, Mouse Cytomegalovirus: Negative, K Virus: Negative

Description

2B8-CP070FAB is a 50 kDa recombinant F(ab) fragment derived from the anti-mouse c-Kit antibody CP070. The F(ab) fragment contains a monovalent antigen-binding domain of clone 2B8 with both 6xHIS and Sortase tags, but with no Fc region resulting in specific binding to mouse c-Kit while eliminating Fc-mediated effector functions. This format is useful in experiments where c-Kit binding, receptor engagement, or cell targeting is desired without Fc-dependent immune effects, including antibody-mediated cytotoxicity, Fcγ receptor-mediated cross-linking, or complement activation. 2B8-CP070FAB reacts with mouse c-Kit, also known as CD117, Steel factor receptor, stem cell factor receptor, and mast cell growth factor receptor. c-Kit is a 145 kDa transmembrane receptor tyrosine kinase and member of the immunoglobulin superfamily. It is expressed on hematopoietic stem and progenitor cells, mast cells, and acute myeloid leukemia (AML) cells, where it serves as a critical receptor for the cytokine stem cell factor (SCF). Interaction between c-Kit and SCF promotes the proliferation, survival, and differentiation of hematopoietic progenitor cells.

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/recombimab-anti-mouse-c-kit-f-ab-fragment-his-sortase-cp070fab?utm_source=cr9k1b#tab_references or scan the QR code below.



Bio X Cell, LLC

<https://bioxcell.com>

+1-866-787-3444

customerservice@bioxcell.com

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