Technical Data Sheet

InVivoMAb anti-mouse c-Kit (CD117)

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:	**BE0293**
Clone:	**ACK2**
Isotype:	Rat IgG2b
Recommended Isotype Control(s):	InVivoMAb rat IgG2b isotype control, anti-keyhole limpet hemocyanin
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	IL-3-dependent mast cells
Reported Applications:	*in vivo* mast cell depletion *in vivo* c-Kit+ cell depletion *in vitro* c-Kit neutralization Immunoprecipitation Flow cytometry
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
Purification:	Protein G
RRID:	AB_2687818

Description

The ACK2 monoclonal antibody reacts with mouse c-Kit also known as CD117, Steel factor receptor, stem cell factor receptor, and mast cell growth factor. c-Kit is a 145 kDa transmembrane tyrosine kinase and an immunoglobulin superfamily member. c-Kit is expressed on hematopoietic progenitor cells, mast cells, and acute myeloid leukemia (AML) cells. The interaction of the c-Kit receptor and its ligand stem cell factor (SCF), promotes the proliferation and differentiation of hematopoietic progenitor cells. The ACK2 antibody has been reported to deplete c-Kit+ cells, including mast cells, when administered in vivo and neutralize c-Kit+ signaling when used in vitro. This antibody is reported to cross-react with rat c-Kit.

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/catalogsearch/result/?q=BE0293#tab_references or scan the QR code below.

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