

# Technical Data Sheet

## FlowMAb PE 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:** FM0280-PE  
**Clone:** 2B8  
**Isotype:** Rat IgG2b, κ  
**Conjugation:** PE  
**Excitation Source:** Yellow-Green 488 nm, 532 nm, 561 nm  
**Excitation Max:** 496 nm, 566 nm  
**Emission Max:** 576 nm  
**Immunogen:** Mouse bone marrow mast cells  
**Reported Applications:** Flow cytometry Immunofluorescence Immunohistochemistry  
**Formulation:** PBS, pH 7.0  
Contains 0.09% Sodium Azide  
**Production:** Purified from cell culture supernatant in an animal-free facility  
**Purification:** Protein G  
**RRID:** [AB\\_2687803](https://abnova.com/AB_2687803)

### Description

The 2B8 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. Hematopoietic progenitor cells, mast cells, and acute myeloid leukemia (AML) cells express c-Kit. The interaction of the c-Kit receptor and its ligand stem cell factor (SCF) promotes the proliferation and differentiation of hematopoietic progenitor cells. This R-phycoerythrin (R-PE or PE)-conjugated version of the antibody is useful for flow cytometry, immunohistochemistry (frozen), and immunohistochemistry (paraffin).

### Storage

Store at the stock concentration at 4°C and protected from prolonged exposure to light . **Do not freeze.**

### Protocol Information

It is recommended that the reagent be carefully titrated for optimal performance in the assay of interest.

### Application References

For a complete list of references, visit [https://bioxcell.com/fm0280-pe?bxcs=9k1b3a#tab\\_references](https://bioxcell.com/fm0280-pe?bxcs=9k1b3a#tab_references) or scan the QR code below.



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*Not for resale.*

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