

Technical Data Sheet

FlowMAb FITC anti-mouse c-Kit (CD117)



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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-FITC
Clone: 2B8
Isotype: Rat IgG2b, κ
Conjugation: FITC
Excitation Source: Blue 488 nm
Excitation Max: 494 nm
Emission Max: 518 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 fluorescein isothiocyanate (FITC)-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-fitc?bxcs=9k1b3a#tab_references or scan the QR code below.



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