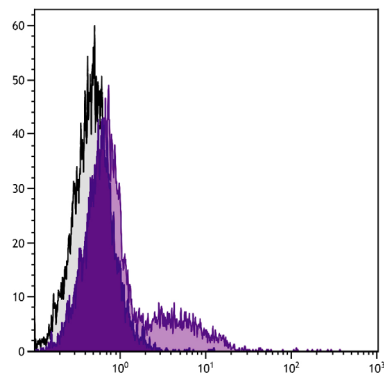




Mouse Anti-Chicken c-Kit

Cat. No.	Format	Size
8380-01	Purified (UNLB)	0.5 mg
8380-02	Fluorescein (FITC)	0.5 mg
8380-08	Biotin (BIOT)	0.5 mg
8380-09	R-phycoerythrin (PE)	0.1 mg



Chick thymocytes were stained with Mouse Anti-Chicken c-Kit-FITC (SB Cat. No. 8380-02).

Overview

Clone	kit2c75
Isotype	Mouse (BALB/c) IgG _{2a} K
Immunogen	Sp/chkit4A4 cells (Sp2/0 cells transfected with chicken c-Kit cDNA)
Specificity	Chicken c-Kit; Mr 145 kDa
Alternate Name(s)	CD117

Description

c-Kit is a 145 kDa transmembrane receptor-type protein tyrosine kinase encoded by the c-Kit proto-oncogene and is the receptor for stem cell factor (SCF). c-Kit acts to regulate a variety of biological responses including cell proliferation, apoptosis, chemotaxis, and adhesion. The amino acid sequence of chicken c-kit shows 63% identity to mouse c-Kit and exhibits similar expression patterns in RNA blot analysis suggesting similar biological roles.

Applications

FC – Quality tested ¹⁻⁷

Working Dilutions

Flow Cytometry	Purified (UNLB) antibody	≤ 1 μg/10 ⁶ cells
	FITC and BIOT conjugates	≤ 1 μg/10 ⁶ cells
	PE conjugates	≤ 0.2 μg/10 ⁶ cells
	For flow cytometry, the suggested use of these reagents is in a final volume of 100 μL	

Other Applications Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

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Corporate Offices: 160 Oxmoor Blvd • Birmingham, AL 35209 • USA Mailing Address: P.O. Box 26221 • Birmingham, AL 35260 • USA

Tel: 205.945.1774 • U.S. and Canada: 800.722.2255 • Fax: 205.945.8768

Email: info@southernbiotech.com • Website: www.southernbiotech.com

Handling and Storage

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

References

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6. Schulte CE, von Lindern M, Steinlein P, Beug H, Wiedemann LM. MLL-ENL cooperates with SCF to transform primary avian multipotent cells. *EMBO J.* 2002;21:4297-306. (FC)
7. Trefil P, Bakst MR, Yan H, Hejnar J, Kalina J, Mucksová J. Restoration of spermatogenesis after transplantation of c-Kit positive testicular cells in the fowl. *Theriogenology.* 2010;74:1670-6. (FC)