Caprico Biotechnologies

TECHNICAL DATA SHEET

CD117 (BA7.3C.9)

Type	Size	Catalog number
Unconjugated	100µg	103501
	500µg	103503
FITC	25 tests	103514
	100 tests	103515
	200 tests	103516
PE	25 tests	103524
	100 tests	103525
	200 tests	103526
APC	25 tests	103544
	100 tests	103545
	200 tests	103546
PerCP-Cyanine5.5	25 tests	103564
	100 tests	103565
	200 tests	103566
PE-Cyanine7	25 tests	103584
	100 tests	103585
	200 tests	103586
APC-iFluor™ 700	25 tests	1035174
	100 tests	1035175
	200 tests	1035176
Biotin	100µg	103551

❖ iFluor is a trademark of AAT Bioquest, Inc.

Antigen: CD117, c-kit
Immunogen: Human lymphoblastoid cell line HSB-2
Host/Isotype: Mouse, IgG2a, κ
Reactivity: Human
Purity: >90% pure tested via polyacrylamide gel electrophoresis (PAGE)
Formulation: PBS, pH7.2, 0.09% NaN_3 (unconjugated, Biotin)
PBS, pH7.2, 0.09% NaN_3, 0.2% (w/v) BSA (conjugated)
Storage: Store at 2-8°C and protected from prolonged exposure to light. **Do not freeze.**
Applications: Flow Cytometry

Application Information

Each lot of these antibodies has been pre-titrated and tested by flow cytometric analysis of K562 cell line such that 0.5µg (unconjugated, Biotin) or 5µl (conjugated) of these products are sufficient for staining 1 million cells in a 100µl staining volume or 100µl of whole blood. It is recommended to titrate antibody reactivity empirically for optimal performance.

Antigen Information

Clone BA7.3C.9 reacts with CD117, a 145 kDa type I transmembrane glycoprotein in the receptor tyrosine kinase (RTK) family. The CD117 antigen is also known as c-kit and stem cell factor receptor (SCFR). The CD117 antigen is expressed primarily on hematopoietic progenitor cells, mast cells and neural crest-derived melanocytes.

References

1. *Briddell RA, et al. 1992. Blood. 79:3159.*
2. *Broudy VC, et al. 1992. Blood. 79:338.*

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3. *Linnekin D, et al. 1997. J Biol Chem. 272:27450.*
4. *Malecki M, et al. 2013. Mol Cell Ther. 1.*

Terms and Conditions

This product is for research use only (RUO) and not intended for diagnostic testing.

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