

CD117 (BA7.3C.9)

Analyte Specific Reagent (ASR)*

Type	Number of tests	Volume per test (μL)	Total volume (μL)	Catalog number
PE- Cyanine5	50	5	250	4035072
	100	5	500	4035075
PE- Cyanine7	50	5	250	4035082
	100	5	500	4035085
PerCP-Cyanine5.5	50	5	250	4035062
	100	5	500	4035065

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

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

*Analyte Specific Reagent. The analytical and performance characteristics of this ASR product are not established.