

CD127 (4G8)

Analyte Specific Reagent (ASR)*

Type	Number of tests	Volume per test (μL)	Total volume (μL)	Catalog number
PE	50	5	250	4234022
	100	5	500	4234025
APC	50	5	250	4234042
	100	5	500	4234045
PE-Cyanine5	50	5	250	4234072
	100	5	500	4234075
PE-Cyanine7	50	5	250	4234082
	100	5	500	4234085
APC-Cyanine7	50	5	250	4234092
	100	5	500	4234095

Antigen:	CD127
Immunogen:	Purified homodimeric form of T-ALL mutant and monomeric WT hIL-7Rα conjugated KLH.
Host/Isotype:	Mouse, IgG1, 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 and 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

The clone 4G8, a mouse monoclonal antibody selectively recognizes a 60-90 kDa surface type 1 transmembrane glycoprotein antigen known as CD127 or IL-7 receptor α chain (IL-7Rα). CD127 forms a heterodimer with the common γ chain of the receptors of several cytokines such as IL-2, IL-4, IL-9, IL-13, IL-15, and IL-21. It is widely expressed on different subsets of B cells, peripheral T cells and bone marrow stromal cells. CD127 plays important role in the generation of memory and effector T cells as well as functional B cells.

References

1. Hixon, JA, et al. 2020. *Leukemia*. 34:35-49.
2. Sudo T, et al. 1993. *P. Natl. Acad. Sci. USA* 90:9125.
3. He YW and Malek TR. 1998. *Crit. Rev. Immunol.* 18:503.
4. Huster KM, et al. 2004. *P. Natl. Acad. Sci. USA* 101:5610.
5. Pillai M, et al. 2004. *Leukemia Lymphoma* 45:2403.
6. Morrissey PJ, et al. 1989. *J. Exp. Med.* 169:707.
7. Liu W, et al. 2006. *J. Exp. Med.* 203:1701.

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