

CD127 (4G8)

Type	Size	Catalog number
Unconjugated	100µg	123401
	500µg	123403
PE	25 tests	123424
	100 tests	123425
	200 tests	123426
APC	25 tests	123444
	100 tests	123445
	200 tests	123446
PE-Cyanine5	25 tests	123474
	100 tests	123475
	200 tests	123476
PE-Cyanine7	25 tests	123484
	100 tests	123485
	200 tests	123486
APC-Cyanine7	25 tests	123494
	100 tests	123495
	200 tests	123496

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

Application Information

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

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.*

Terms and Conditions

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