

CD8 (SK1)

Type	Size	Catalog number
Unconjugated	100µg	110901
	500µg	110903
FITC	25 tests	110914
	100 tests	110915
	200 tests	110916
PE	25 tests	110924
	100 tests	110925
	200 tests	110926
APC	25 tests	110944
	100 tests	110945
	200 tests	110946
PerCP	25 tests	110934
	100 tests	110935
	200 tests	110936
PE-Cyanine7	25 tests	110984
	100 tests	110985
	200 tests	110986
APC-Cyanine7	25 tests	110994
	100 tests	110995
	200 tests	110996
mFluor™ 450	25 tests	1109144
	100 tests	1109145
	200 tests	1109146
mFluor™ 500	25 tests	1109154
	100 tests	1109155
	200 tests	1109156
PerCP-Cyanine5.5	25 tests	110964
	100 tests	110965
	200 tests	110966

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Antigen: CD8α
Immunogen: Human peripheral blood T cells
Host/Isotype: Mouse, IgG1, k
Reactivity: Human. Cross-reactivity: African Green, Baboon, Chimpanzee, Cynomolgus, Rhesus, Pigtailed Macaque, Sooty Mangabey
Purity: >90% pure tested via polyacrylamide gel electrophoresis (PAGE)
Formulation: PBS, pH7.2, 0.09%NaN₃ (unconjugated)
 PBS, pH7.2, 0.09% NaN₃ 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 these antibodies has been pre-titrated and tested by flow cytometric analysis of human PBMCs 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

The clone SK1 specifically binds with a 32-34kDa type I transmembrane glycoprotein of human cells commonly known as CD8α. It is a member of immunoglobulin superfamily. The CD8α forms either a homodimer (2 alpha chains) or a heterodimer with CD8β and is expressed on the surface of cytotoxic T cells, and sub-sets of NK cells, cortical thymocytes, and also on some dendritic cells. CD8 functions as a co-receptor for T cell receptor and specifically binds to class I MHC for antigen recognition and T cell activation. It has the cross-reactive binding affinity with the CD8 cell surface antigen expressing in several non-human primates, including Baboon, Chimpanzee, Cynomolgus and Rhesus.

References

1. Arens, R, et al. 2010. *Immunol Rev.* 235:190.
2. Kared, H, et al. 2014. *Curr Opin Immunol.* 29C:79.
3. Welte, K, et al. 1983. *J Immunol.* 131: 2356.
4. Zarling, J.M, et al. 1980. *Nature.* 288:384.
5. Permar SR et al, 2003. *J. virol.* 77:4396.
6. Verstrepen, BE., 2014. *PloS One.*9:e95103.

Terms and Conditions

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