

CD8 (OKT8)

Analyte Specific Reagent (ASR)*

Type	Number of tests	Volume per test (μL)	Total volume (μL)	Catalog number
PE	50	5	250	4006022
	100	5	500	4006025
APC	50	5	250	4006042
	100	5	500	4006045
PerCP	50	5	250	4006032
	100	5	500	4006035
PerCP-Cyanine5.5	50	5	250	4006062
	100	5	500	4006065
PE-Cyanine7	50	5	250	4006082
	100	5	500	4006085
APC-Cyanine7	50	5	250	4006092
	100	5	500	4006095
APC-iFluor™ 700	50	5	250	4006172
	100	5	500	4006175
iFluor™488	50	5	250	4006112
	100	5	500	4006115
iFluor™ 700	50	5	250	4006192
	100	5	500	4006195
mFluor™ 450	50	5	250	4006142
	100	5	500	4006145

❖ iFluor and mFluor are the trademark of AAT Bioquest, Inc.

Antigen: CD8α
Immunogen: Human peripheral blood T lymphocytes
Host/Isotype: Mouse, IgG2a,κ
Reactivity: Human
Purity: >90% pure tested via polyacrylamide gel electrophoresis (PAGE)
Formulation: PBS, pH7.2, 0.09% NaN₃ and 0.2% (w/v) BSA
Storage: Store at 2-8°C and protected from prolonged exposure to light. **Do not freeze.**
Applications: Flow Cytometry.

Antigen Information

The clone OKT8, a mouse monoclonal antibody, binds with a 32-34 kDa type I transmembrane glycoprotein known as CD8 and a member of the immunoglobulin superfamily. OKT8 selectively binds to the CD8α and forms either a homodimer or a heterodimer with the CD8β which is expressed on the surface of cytotoxic T cells, NK cells, cortical thymocytes, and on some dendritic cells. CD8 functions as a co-receptor for T-cell receptors and specifically binds to class I MHC for antigen recognition and T-cell activation.

References

1. Arens R, et al. 2010. *Immunol Rev.* 235:190.
2. Coppieters KT, et al. 2012. *J Exp Med.* 209:51.
3. Hernberg MM, et al. 2004. *Melanoma Res.* 14:493.
4. Kared H, et al. 2014. *Curr Opin Immunol.* 29C:79.
5. Welte K, et al. 1983. *J Immunol.* 131: 2356.
6. Zarling JM, et al. 1980. *Nature.* 288:384.

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