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TECHNICAL DATA SHEET

CD8 (OKT8)

Type	Size	Catalog number
unconjugated	100µg	100601
	500µg	100603
FITC	25 tests	100614
	100 tests	100615
	200 tests	100616
PE	25 tests	100624
	100 tests	100625
	200 tests	100626
APC	25 tests	100644
	100 tests	100645
	200 tests	100646
PerCP	25 tests	100634
	100 tests	100635
	200 tests	100636
PerCP-Cyanine5.5	25 tests	100664
	100 tests	100665
	200 tests	100666
APC-Cyanine7	25 tests	100694
	100 tests	100695
	200 tests	100696
iFluor™488	25 tests	1006114
	100 tests	1006115
	200 tests	1006116
iFluor™700	25 tests	1006194
	100 tests	1006195
	200 tests	1006196
mFluor™450	25 tests	1006144
	100 tests	1006145
	200 tests	1006146
mFluor™540	25 tests	1006164
	100 tests	1006165
	200 tests	1006166
Biotin	100µg	100651

Antigen: CD8α
Immunogen: Human peripheral blood T lymphocytes
Host/Isotype: Mouse, IgG2a, k
Reactivity: Human
Purity: >90% pure tested via polyacrylamide gel electrophoresis (PAGE)
Formulation: PBS, pH7.2, 0.09%NaN_3 (unconjugated)
PBS, pH7.2, 0.09% NaN_3 and 0.2% (w/v) BSA (conjugated)

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Storage: Store at 2-8°C and protected from prolonged exposure to light. **Do not freeze.**
Applications: Flow Cytometry

- iFluor and mFluor are trademarks of AAT Bioquest, Inc.

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

Clone OKT8, a mouse monoclonal antibody, binds with a 32-34 kDa type I transmembrane glycoprotein known as CD8 a member of the immunoglobulin superfamily. OKT8 binds to CD8α, which forms either a homodimer or a heterodimer with CD8β. It 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

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2. Coppieters, K.T, et al. 2012. J Exp Med. 209:51.
3. Hernberg, M.M, 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, J.M, et al. 1980. Nature. 288:384.

Terms and Conditions

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

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