

CD3 (OKT3)

Type	Size	Catalog number
Unconjugated	100µg	100301
	500µg	100303
FITC	25 tests	100314
	100 tests	100315
	200 tests	100316
PE	25 tests	100324
	100 tests	100325
	200 tests	100326
APC	25 tests	100344
	100 tests	100345
	200 tests	100346
PerCP	25 tests	100334
	100 tests	100335
	200 tests	100336
PerCP-Cyanine 5.5	25 tests	100364
	100 tests	100365
	200 tests	100366
iFluor™ 700	25 tests	1003194
	100 tests	1003195
	200 tests	1003196
Biotin	100µg	100351

Antigen: CD3ε
Immunogen: Human peripheral blood lymphocytes
Host/Isotype: Mouse, IgG2a,κ
Reactivity: Human
Purity: >90% pure tested via polyacrylamide gel electrophoresis (PAGE)
Formulation: PBS, pH7.2, 0.09%NaN₃ (unconjugated, Biotin)
 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

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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

CD3ε is a 20kD peptide chain, which together with CD3λ, CD3δ, and CD3ζ, and a T cell receptor (α/β or γ/δ) form the CD3/T-cell receptor complex. It is a specific marker for T lymphocytes, NK T cells, and some thymocytes. Crosslinking of TCR initiates an intracellular signaling cascade resulting in cellular activation and proliferation. The OKT3 antibody shows potent immunosuppressive properties *in vivo* and has been proved effective in the treatment of renal, heart, and liver allograft rejection.

References

1. Brown V, et al. 1987. Leuk Res. 11:903.
2. Salter DM, et al. 1985. J. Pathol. 146:345.
3. Dalchau R, et al. 1981. J Exp Med. 153:753.

Terms and Conditions

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