

Anti-Human CD3 SAFIRE Purified

Catalogue Number : 05121-25

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Clone: OKT3

Format/Conjugate: SAFIRE Purified

Concentration: 2 mg/mL

Reactivity: Human

Laser: Not Applicable

Peak Emission: Not Applicable

Peak Excitation: Not Applicable

Filter: Not Applicable

Brightness (1=dim,5=brightest): Not Applicable

Isotype: Mouse IgG2a, kappa

Formulation: Phosphate-buffered aqueous solution, pH7.2.

Storage: Product should be kept at 2-8°C.

Applications: FC, FA, IHC

Description

The OKT3 monoclonal antibody specifically reacts with the ϵ chain of the CD3/T lymphocyte antigen receptor complex. The CD3 complex contains γ , δ , and ϵ chains, and it is part of the TCR complex, expressed by all mature T lymphocytes and by the thymocyte lineage. CD3 enhances the antigen recognition by signal transduction.

The OKT3 antibody is an immunosuppressive, which has proven to be an effective therapeutic agent in liver, heart, and renal allograft rejection.

Preparation & Storage

The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/ μ g of the protein.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.

References

- Schlossman, S., L. Bloumsell, et al. eds (1995). Leucocyte Typing V: White Cell Differentiation Antigens. Oxford University Press. New York
- Knapp W;(1989) Leucocyte typing IV: white cell differentiation antigens. Oxford University Press, 1989.
- Adair, J. R., Athwal, D. S., Bodmer, M. W., Bright, S. M., Collins, A. M., Pulito, V. L., ... Jolliffe, L. K. (1994). Humanization of the murine anti-human CD3 monoclonal antibody OKT3.;Human Antibodies.;5(1), 41-47.