

Anti-human CD3 [OKT-3]

Clone: OKT-3 Catalog#: A10001

Description: The OKT-3 monoclonal antibody reacts with human CD3 ϵ , a 20 kDa transmembrane cell-surface protein that belongs to the immunoglobulin superfamily. CD3 ϵ is one of five polypeptide chains that combine to form the TCR complex. CD3 ϵ is expressed on T lymphocytes, NK-T cells, and to varying degrees on developing thymocytes. CD3 plays roles in TCR signaling, T lymphocyte activation, and antigen recognition. The OKT-3 antibody has immunosuppressive properties *in vivo* and has been shown to effectively treat renal, heart and liver allograft rejection. It indirectly plays an important role in immunomodulation whereas the CD3 antibody may be used in *in vitro* Treg assays to generate effector T cells.

Isotype:	Mouse IgG2a, κ
Species reactivity:	Human
Production:	Tissue culture
Purification:	ProteinG purified
Recommended Isotype Control:	Mouse IgG2a Isotype control
Applications:	<i>in vivo</i> T cell depletion <i>in vitro</i> T cell stimulation/activation Immunofluorescence Flow cytometry Western blot
Immunogen:	Human PBMCs were used as immunogen.
Storage:	Store at +4°C short term (1-2 weeks). Store at -20°C long term.
Formulation:	PBS, pH 7.4, Filter sterilized. Endotoxin level tests less than 0.06 EU/ μ g.
Clonality:	Monoclonal

Intended for research use only. Not for human, therapeutic, or diagnostic applications.

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