



Mouse Anti-Human CD3 Monoclonal antibody, clone OKT-3 (CABT-L4352)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

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.

Target	Human CD3
Immunogen	C57BL/6 mouse T cell lymphoma EL-4 cells
Isotype	IgG2a, κ
Source/Host	Mouse
Species Reactivity	Human
Clone	OKT-3
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vitro T cell stimulation/activation, in vivo T cell depletion in humanized mice, ex vivo T cell inhibition for xenografts, FC
Molecular Weight	150 kDa
Format	0.2 μ M filtered liquid. Purified from tissue culture supernatant in an animal free facility

Concentration	Lot specific
Size	5 mg
Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free] Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	The CD3 complex mediates signal transduction.
Keywords	4930549J05Rik;A430104F18Rik;AW552088;CD 3;Cd247;CD247 antigen;CD247 antigen, zeta subunit;CD247 molecule;CD3;CD3 antigen, delta subunit

GENE INFORMATION

Official Symbol	CD3
Synonyms	4930549J05Rik; A430104F18Rik; AW552088; CD 3; Cd247; CD247 antigen; CD247 antigen, zeta subunit; CD247 molecule; CD3; CD3 antigen, delta subunit