



Mouse Anti-Human CD3 Monoclonal antibody, clone UCHT1 (Leu-4) (T3) (CABT-L4485)

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

PRODUCT INFORMATION

Product Overview	The UCHT1 (Leu-4)(T3) monoclonal antibody reacts with human CD3ε a 20 kDa transmembrane cell-surface protein that belongs to the immunoglobulin superfamily. CD3ε is one of five polypeptide chains that combine to form the TCR complex. CD3ε 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. Crosslinking of the TCR via immobilized UCHT1 (Leu-4)(T3) antibody is commonly used to activate T cells in vitro.
Target	Human CD3
Immunogen	Human CD3ε
Isotype	IgG1, κ
Source/Host	Mouse
Species Reactivity	Human
Clone	UCHT1 (Leu-4) (T3)
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo T cell depletion in humanized mice, ex vivo T cell inhibition for xenographs, FC
Molecular Weight	150 kDa
Format	0.2 μM 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
References	Wunderlich, M., et al. (2014). "OKT3 prevents xenogeneic GVHD and allows reliable xenograft initiation from unfractionated human hematopoietic tissues." Blood 123(24): e134-144. PubMed;