



Mouse Anti-Human CD1a Monoclonal antibody, clone OKT-6 (CABT-L4477)

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

PRODUCT INFORMATION

Product Overview	The OKT-6 monoclonal antibody reacts with human CD1a a member of the CD1 family of transmembrane glycoproteins. The CD1 proteins are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with β 2-microglobulin. The CD1 proteins mediate the presentation of primarily lipid and glycolipid antigens of self or microbial origin to T cells.
Target	Human CD1a
Immunogen	Human acute lymphoblastic leukaemia cells
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	OKT-6
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vitro CD1a blockade, 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	This gene encodes a member of the CD1 family of transmembrane glycoproteins, which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. The CD1 proteins mediate the presentation of primarily lipid and glycolipid antigens of self or microbial origin to T cells. The human genome contains five CD1 family genes organized in a cluster on chromosome 1. The CD1 family members are thought to differ in their cellular localization and specificity for particular lipid ligands. The protein encoded by this gene localizes to the plasma membrane and to recycling vesicles of the early endocytic system. Alternatively spliced transcript variants have been observed, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]
Keywords	CD1A;CD1a molecule;R4;T6;CD1;FCB6;HTA1;T-cell surface glycoprotein CD1a;hTa1 thymocyte antigen;CD1A antigen, a polypeptide

GENE INFORMATION

Official Symbol	CD1a molecule
Synonyms	CD1A; CD1a molecule; R4; T6; CD1; FCB6; HTA1; T-cell surface glycoprotein CD1a; hTa1 thymocyte antigen; CD1A antigen, a polypeptide
References	Bourgeois, E. A., et al. (2015). "Bee venom processes human skin lipids for presentation by CD1a." J Exp Med 212(2): 149-163. PubMed;