

Datasheet

CD1C monoclonal antibody, clone M241

Catalog Number: MAB6894

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native CD1C.

Clone Name: M241

Immunogen: Native purified CD1C from human T cell line Molt 4.

Host: Mouse

Reactivity: Human

Applications: Flow Cyt, IHC-Fr, IP
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Isotype: IgG1, kappa

Recommend Usage: The optimal working dilution should be determined by the end user.

Storage Buffer: In 50 mM sodium phosphate buffer, 100 mM potassium Chloride, 150 mM NaCl, pH 7.5 (0.5 mg/mL gentamicin sulfate)

Storage Instruction: Store at 4°C.

Entrez GeneID: 911

Gene Symbol: CD1C

Gene Alias: BDCA1, CD1, CD1A, R7

Gene Summary: 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 is broadly distributed throughout the endocytic system via a tyrosine-based motif in the cytoplasmic tail. Alternatively spliced transcript variants of this gene have been observed, but their full-length nature is not known. [provided by RefSeq]

References:

1. A pathway of costimulation that prevents anergy in CD28- T cells: B7-independent costimulation of CD1-restricted T cells. Behar SM, Porcelli SA, Beckman EM, Brenner MB. J Exp Med. 1995 Dec 1;182(6):2007-18.
2. Structure and function of the CD1 family of MHC-like cell surface proteins. Blumberg RS, Gerdes D, Chott A, Porcelli SA, Balk SP. Immunol Rev. 1995 Oct;147:5-29.
3. Recognition of a lipid antigen by CD1-restricted alpha beta+ T cells. Beckman EM, Porcelli SA, Morita CT, Behar SM, Furlong ST, Brenner MB. Nature. 1994 Dec 15;372(6507):691-4.