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Anti-CD1c Picoband Antibody

Catalog # ABO12932

Product Information

Application	WB
Primary Accession	P29017
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for CD1c detection. Tested with WB, Direct ELISA in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	911
Other Names	T-cell surface glycoprotein CD1c, CD1c, CD1C
Calculated MW	37654
Application Details	Western blot, 0.1-0.5 □g/ml
Subcellular Localization	Cell membrane.
Tissue Specificity	Expressed on cortical thymocytes, on certain T-cell leukemias, and in various other tissues.
Source	Eukaryota
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na_2HPO_4, 0.05mg NaN_3.
Immunogen	E. coli-derived human CD1c recombinant protein (Position: K73-L287).
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20˚C; for one year. After r˚Constitution, at 4˚C; for one month. It˚Can also be aliquotted and stored frozen at -20˚C; for a longer time. Avoid repeated freezing and thawing.

Protein Information

Name	CD1C

Function	Antigen-presenting protein that binds self and non-self lipid and glycolipid antigens and presents them to T-cell receptors on natural killer T-cells.
Cellular Location	Cell membrane; Single-pass type I membrane protein. Endosome membrane; Single-pass type I membrane protein Lysosome. Note=Subject to intracellular trafficking between the cell membrane and endosomes
Tissue Location	Expressed on cortical thymocytes, on certain T-cell leukemias, and in various other tissues

Background

CD1C is a group-1 member of the CD1 family of major histocompatibility (MHC)-like glycoproteins. 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.

Images

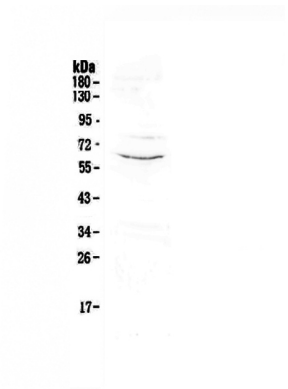

Figure 1. Western blot analysis of CD1c using anti-CD1c antibody (ABO12932).