

**Anti-CD1c Picoband Antibody**  
Catalog # ABO12932**Specification**

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**Anti-CD1c Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P29017</a>
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.

**Anti-CD1c Picoband Antibody - Additional Information**

**Gene ID** 911

**Other Names**

T-cell surface glycoprotein CD1c, CD1c, CD1C

**Application Details**

Western blot, 0.1-0.5 µg/ml<br>

**Subcellular Localization**

Cell membrane.

**Tissue Specificity**

Expressed on cortical thymocytes, on certain T-cell leukemias, and in various other tissues.

**Contents**

Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**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.**

## Anti-CD1c Picoband Antibody - 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

## Anti-CD1c Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-CD1c Picoband Antibody - Images

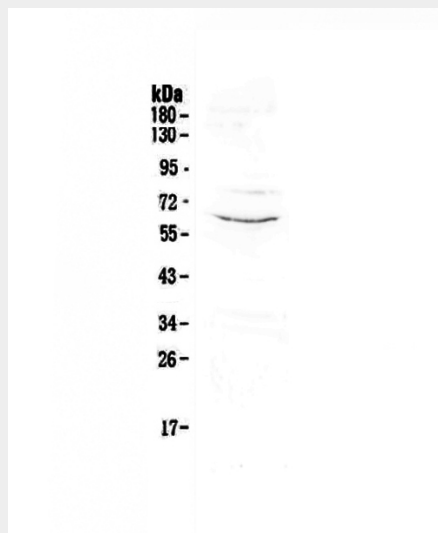


Figure 1. Western blot analysis of CD1c using anti-CD1c antibody (ABO12932).

## Anti-CD1c Picoband Antibody - 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.