

**Purified anti-human CD1c**

**Catalog # / Size:** 2257505 / 25 µg  
 2257510 / 100 µg

**Clone:** L161

**Isotype:** Mouse IgG1, κ

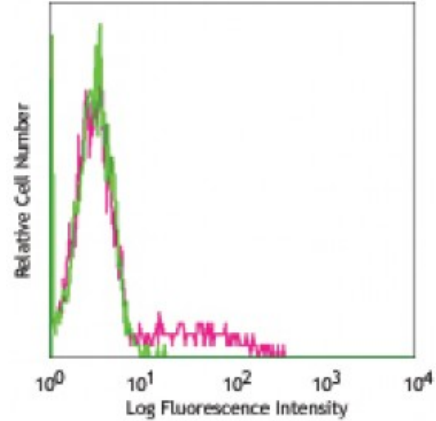
**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Workshop Number:** V T-CD01.18

**Concentration:** 0.5



Human peripheral blood lymphocytes stained with purified L161, followed by anti-mouse IgG FITC

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤0.5 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** Additional reported applications (for the relevant formats) include: immunocytochemical staining<sup>1</sup>.

- Application References:**
1. M. del Salamone C, *et al.* 2001. *J. Leukoc. Biol.* 70:567.
  2. de Fraissinette A, *et al.* 1988. *Exp. Hematol.* 16:764.
  2. Li D, *et al.* 2012. *J. Exp Med.* 209:109. [PubMed](#)

**Description:** CD1c, also known as R7 or M241, is a 43 kD member of the five CD1 antigens (CD1a-e) in humans. The CD1 molecules are type I glycoprotein with structural similarities to MHC class I and are non-covalently associated with β<sub>2</sub>-microglobulin, belonging to the Ig superfamily. CD1c is expressed on cortical thymocytes, Langerhans cells, dendritic cells, and a subset of B cells. It has been reported that CD1c is also expressed on mature T cells in a tightly regulated manner. CD1c is involved in antigen-presentation of glycolipids. It may also act in T cells as an immune regulatory molecule.

- Antigen References:**
1. Fainboim LM and del C. Salamone. 2002. *J. Biol. Reg. Homeos. Ag.* 16:125.
  2. M. del Salamone C, *et al.* 2001. *J. Leukocyte Biol.* 70:567.
  3. Zola H, *et al.* Eds. 2007. *Leukocyte and Stromal Cell Molecules:Th*