

Product Data Sheet

Biotin anti-human CD1c

Catalog # / Size: 331504 / 100 µg

Clone: L161

Isotype: Mouse IgG1, κ

Workshop Number: V T-CD01.18

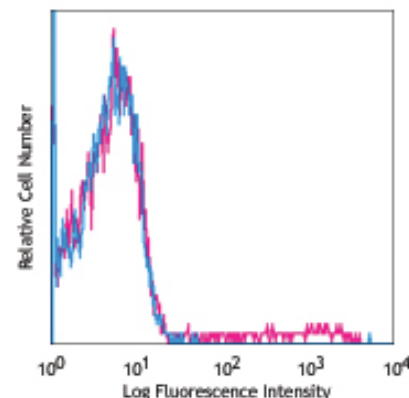
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

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

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. **Do not freeze.**



Human peripheral blood lymphocytes stained with biotinylated L161, followed by Sav-PE

Applications:

Applications: FC *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.5 µg per million cells in 100 µl 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 staining¹.

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.

Description: CD1c, also known as R7 or M241, is a 43 kD member of the five CD1 antigens (CD1a-e) in human. The CD1 molecules are type I glycoprotein with structural similarities to MHC class I and a non-covalent associated with β₂-microglobulin, belonging to 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 with tightly regulated manner. The function of 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: The CD Markers.* P42.

Related Products:	Product	Clone	Application
	Biotin Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC
	Cell Staining Buffer		FC, ICC, ICFC
	RBC Lysis Buffer (10X)		FC, ICFC
	Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC



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