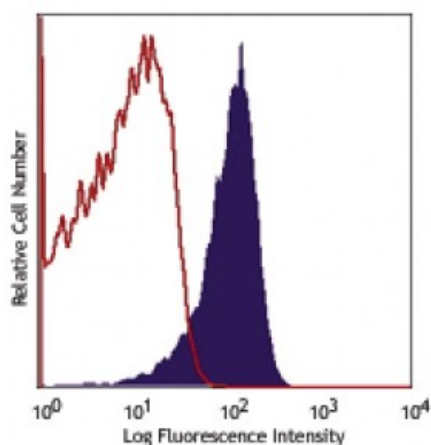


APC/Cy7 anti-human CD1c

Catalog # / Size:	2257600 / 100 tests 2257595 / 25 tests
Clone:	L161
Isotype:	Mouse IgG1, κ
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with APC/Cy7 under optimal conditions. The solution is free of unconjugated APC/Cy7 and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Workshop Number:	V T-CD01.18
Concentration:	Lot-specific



Human T-lymphoblastic leukemia cell line, MOLT-4, stained with L161 APC/Cy7

Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. Test size products are transitioning from 20 microL to 5 microL per test. Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. 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 ¹ .
Application References:	<ol style="list-style-type: none">1. M. del Salamone C, <i>et al.</i> 2001. <i>J. Leukoc. Biol.</i> 70:567.2. de Fraissinette A, <i>et al.</i> 1988. <i>Exp. Hematol.</i> 16:764.3. Li D, <i>et al.</i> 2012. <i>J. Exp Med.</i> 209:109. PubMed4. Jin JO, <i>et al.</i> 2014. <i>PLoS One.</i> 9:104753. PubMed5. Breton G, <i>et al.</i> 2015. <i>J Exp Med.</i> 212:401. 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_2 -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:	<ol style="list-style-type: none">1. Fainboim LM and del C. Salamone. 2002. <i>J. Biol. Reg. Homeos. Ag.</i> 16:125.2. M. del Salamone C, <i>et al.</i> 2001. <i>J. Leukocyte Biol.</i> 70:567.3. Zola H, <i>et al.</i> Eds. 2007. <i>Leukocyte and Stromal Cell Molecules:Th</i>