

30-1819: Anti-CD1c Monoclonal Antibody (Clone:L161)-APC Conjugated

Clonality :	Monoclonal
Clone Name :	L161
Application :	FACS
Reactivity :	Human
Conjugate :	APC
Gene :	CD1C
Gene ID :	911
Uniprot ID :	P29017
Alternative Name :	CD1C
Isotype :	Mouse IgG1
Immunogen Information :	human thymocytes

Description

CD1c (also known as R7 or BDCA1) together with CD1a and b, belongs to group 1 of CD1 antigens. These non-classical MHC-like glycoproteins serve as antigen-presenting molecules for a subset of T cells that responds to specific lipids and glycolipids found in the cell walls of bacterial pathogens or self-glycolipid antigens such as gangliosides, and they have also roles in antiviral immunity. The trafficking routes of the particular CD1 types differ and correspond to their ability to bind and present different groups of antigens. CD1c is unique in its ability to present e.g. mycobacterial phosphoketides and polyisoprenoids. CD1c is the only CD1 isoform that has been shown to interact both with alpha/beta and gamma/delta T cells.

Product Info

Amount :	100 tests
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

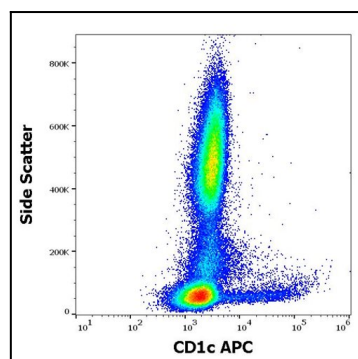


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD1c (L161) APC antibody

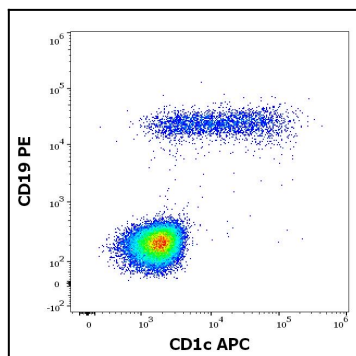


Figure 2: Flow cytometry multicolor surface staining pattern of human lymphocytes using anti-human CD1c (L161) APC antibody and anti-human CD19 (LT19) PE antibody

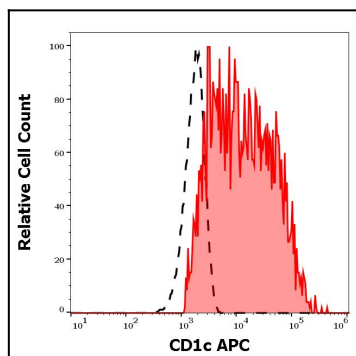


Figure 3: Separation of human CD1c positive CD19 positive B cells (red-filled) from human CD1c negative CD19 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD1c (L161) APC