30-1542: Anti-CD1c Monoclonal Antibody (Clone:L161)

Clonality :	Monoclonal
Clone Name :	L161
Application :	FACS
Reactivity :	Human
Gene :	CD1C
Gene ID :	911
Uniprot ID :	P29017
Format :	Purified
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

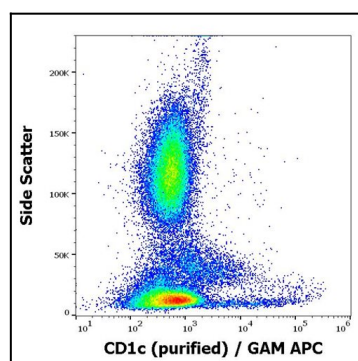|	
Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD1c (L161) purified antibody
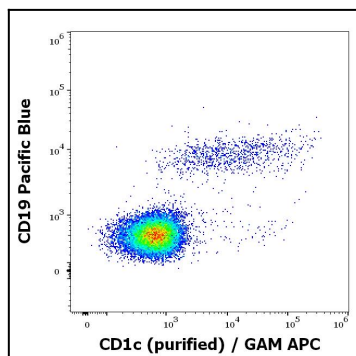
Figure 2: Flow cytometry multicolor surface staining of human lymphocytes stained using anti-human CD1c (L161) purified antibody (GAM APC) and anti-human CD19 (LT19) APC antibody
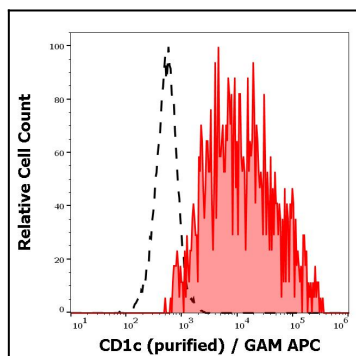

Figure 3: Separation of human CD1c positive CD19 positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood using anti-human CD1c (L161) purified antibody