9853 Pacific Heights Blvd.
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30-1550: Anti-CD1b Monoclonal Antibody (Clone: SN13)Purified

Clonality :	Monoclonal
Clone Name :	SN13
Application :	FACS
Reactivity :	Human
Gene :	CD1B
Gene ID :	910
Uniprot ID :	P29016
Format :	Purified
Alternative Name :	CD1B
Isotype :	Mouse IgG1
Immunogen Information :	A cell membrane antigen preparation that was isolated from normal human thymocytes

Description

CD1b (also known as R1) together with CD1a and c, 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. Besides non-peptide glycolipid antigen presentation to CD1-restricted T cells, CD1b has been implicated in thymocyte development.

Product Info

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

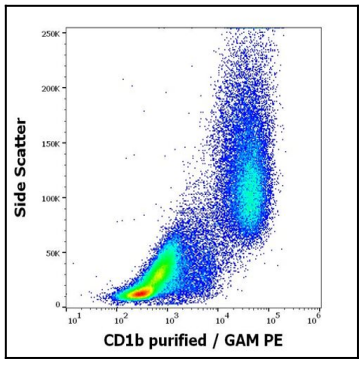

Figure 1: Flow cytometry surface staining pattern of human stimulated (GM-CSF + IL-4) peripheral blood mononuclear cells stained using anti-human CD1b (SN13) purified antibody

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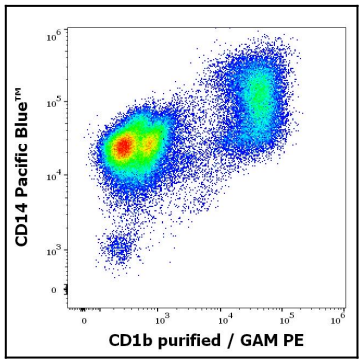

Figure 2: Flow cytometry multicolor surface staining pattern of human stimulated (GM-CSF + IL-4) peripheral blood mononuclear cells using anti-human CD1b (SN13) purified antibody (GAM PE) and anti-human CD14 (MEM-15) Pacific Blue™ antibody

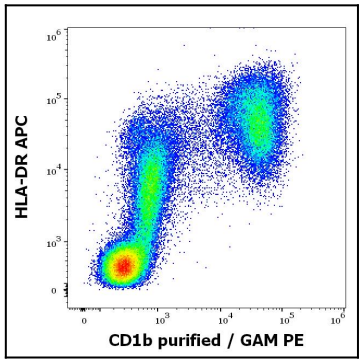

Figure 3: Flow cytometry multicolor surface staining pattern of human stimulated (GM-CSF + IL-4) peripheral blood mononuclear cells using anti-human CD1b (SN13) purified antibody (GAM PE) and anti-human HLA-DR (L243) APC antibody

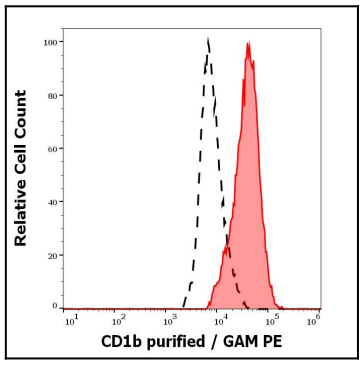

Figure 4: Separation of cells stained using anti-human CD1b (SN13) purified antibody (GAM PE, red-filled) from cells unstained by primary antibody (GAM PE, black-dashed) in flow cytometry analysis (surface staining) of human stimulated (GM-CSF + IL-4) peripheral blood mononuclear cells.