

30-2921: Anti-Hu CD38 (HB7)

Clonality :	Monoclonal
Clone Name :	HB7
Application :	IP, ICC, FACS, WB
Reactivity :	Human
Conjugate :	Unconjugated
Gene ID :	952
Uniprot ID :	P28907
Format :	Purified
Alternative Name :	ADPRC1, cADPr hydrolase 1, T10, NAD(+) nucleosidase, ADP-ribosyl cyclase 1
Isotype :	Mouse IgG1 kappa
Immunogen Information :	BJAB cell line

Description

The mouse monoclonal antibody HB7 (HB-7) recognizes an extracellular epitope within amino acids 273-285 of human CD38, a 45 kDa type II transmembrane glycoprotein strongly expressed mainly on plasma cells and activated T and B lymphocytes; it is an antigenic marker of lymphoid cells. Its binding is blocked by daratumumab.

Product Info

Amount :	0.1mg
Purification :	Purified by protein-A affinity chromatography.
Content :	1mg/ml, Storage Buffer: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. For long term storage, store at -20°C.

Application Note

Flow cytometry: Recommended dilution: 0.5-4 µg/ml.

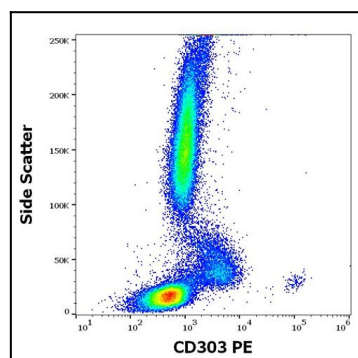


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD303 (15E3) PE antibody (10 µl reagent / 100 µl of peripheral whole blood).

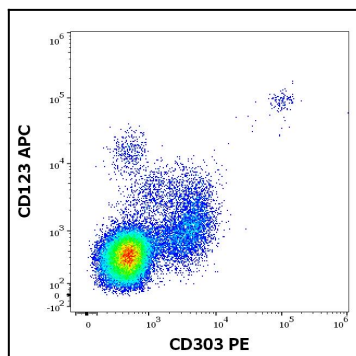


Figure 2: Flow cytometry multicolor surface staining pattern of human peripheral blood mononuclear cells using anti-human CD303 (15E3) PE antibody (10 μ l reagent / 100 μ l of peripheral whole blood) and anti-human CD123 (6H6) APC antibody (10 μ l reagent per million cells in 100 μ l of cell suspension).

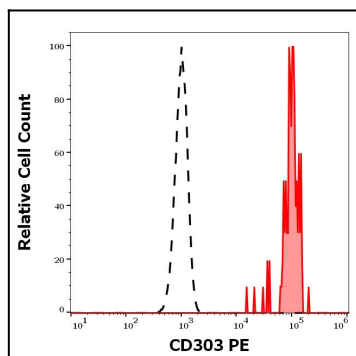


Figure 3: Separation of human CD123 positive CD303 positive plasmacytoid dendritic cells (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD303 (15E3) PE antibody (10 μ l reagent / 100 μ l of peripheral whole blood).