

## 30-2921: Anti-Hu CD38 (HB7)

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

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

### Application Note

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

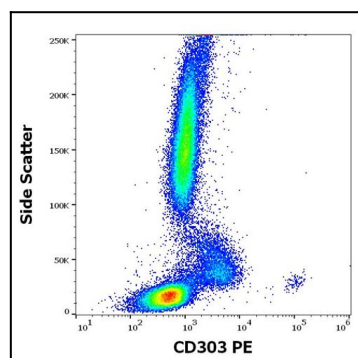


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD303 (15E3) PE antibody (10 µg/ml reagent / 100 µl of peripheral whole blood).

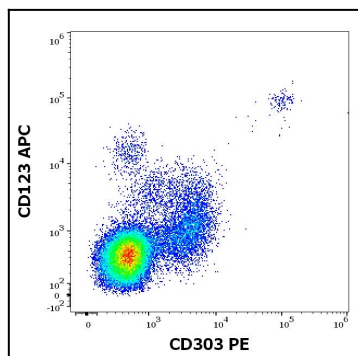


Figure 2: Flow cytometry multicolor surface staining pattern of human peripheral blood mononuclear cells using anti-human CD303 (15E3) PE antibody (10  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood) and anti-human CD123 (6H6) APC antibody (10  $\mu$ l reagent per milion cells in 100  $\mu$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

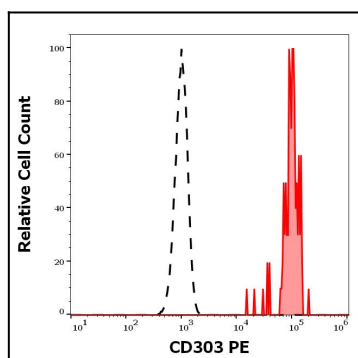


Figure 3: Separation of human CD123 positive CD303 positive plasmacytoid dendritic cells (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD303 (15E3) PE antibody (10  $\mu$ l reagent / 100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