

## 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.

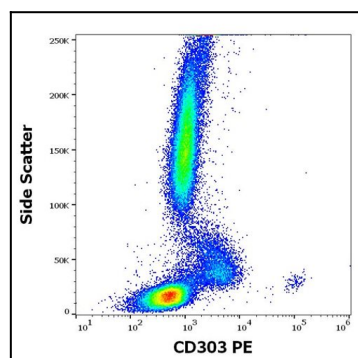


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD303 (15E3) PE antibody (10 µl reagent / 100 µl of peripheral whole blood).

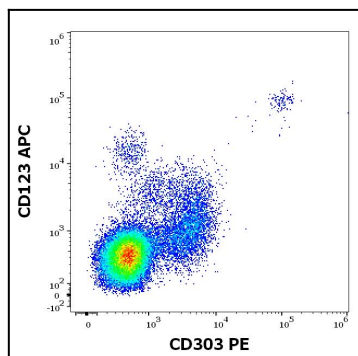


Figure 2: Flow cytometry multicolor surface staining pattern of human peripheral blood mononuclear cells using anti-human CD303 (15E3) PE antibody (10  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood) and anti-human CD123 (6H6) APC antibody (10  $\mu$ l reagent per milion cells in 100  $\mu$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

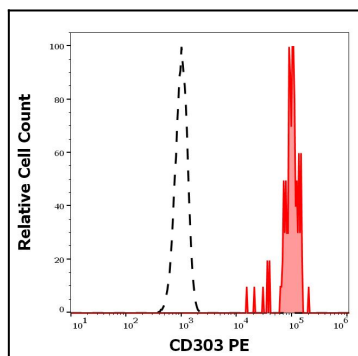


Figure 3: Separation of human CD123 positive CD303 positive plasmacytoid dendritic cells (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD303 (15E3) PE antibody (10  $\mu$ l reagent / 100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