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30-2876: Anti-Human CD245 Mab (Clone:DY12)

Clonality :	Monoclonal
Clone Name :	DY12
Application :	IP,IHC,FACS,WB
Format :	Purified
Alternative Name :	p220/240, DY12, DY35
Isotype :	Mouse IgG1 kappa
Immunogen Information :	human NK-type YT2C2 cells

Description

Specificity: The mouse monoclonal antibody DY12 recognizes an extracellular epitope of CD245, a transmembrane protein expressed mainly by peripheral blood lymphocytes, NK cells, monocytes, granulocytes and platelets.

CD245 is a 220-250 kDa transmembrane protein of unknown structure. It is expressed at lower level on resting blood lymphocytes, granulocytes, platelets, and thymocytes, and at high level on monocytes and on IL-2-dependent T cell lines. It is also expressed on Ewing sarcoma and osteosarcoma cell lines. CD245 seems to act as a costimulation molecule of T and NK cells.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography.
Content :	Formulation: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide. Concentration : 1 mg/ml
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 1-5 µg/ml.

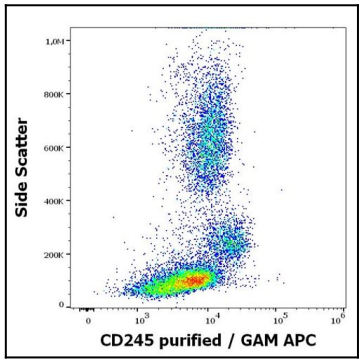

Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD245 (DY12) purified antibody (concentration in sample 1.67 Î¼g/ml, GAM APC).

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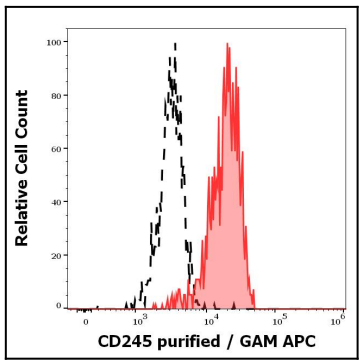

Figure 2: Separation of monocytes (red-filled) stained using anti-human CD245 (DY12) purified antibody (concentration in sample 1.67 Î¼g/ml, GAM APC) from monocytes cells unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood.