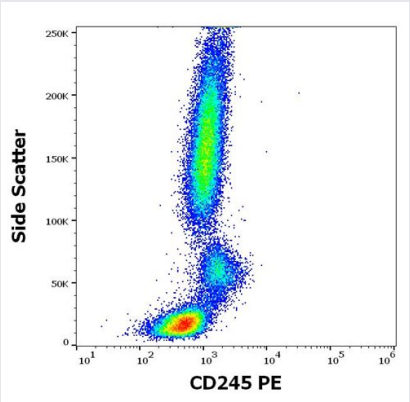
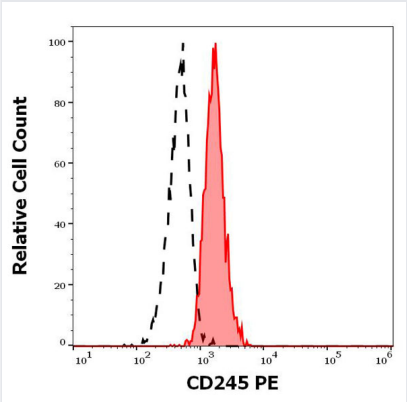
CD245 Antibody

PRODUCT OVERVIEW

Product Name	CD245, Antibody
Full Product Name	Anti-Hu CD245 PE
Product Gene Name	anti-CD245 antibody
Product Synonym Names	p220/240; DY12; DY35
Isotype	Mouse IgG1 kappa
Clone Number	DY12
Species Reactivity	Human
Form/Format	PE Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
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.
Preparation and Storage	Store at 2-8 degree C. Protect from prolonged exposure to light. Do not freeze.
Immunogen	human NK-type YT2C2 cells
Applications Tested/Suitable for anti-CD245 antibody	Flow Cytometry (FC/FACS)(QC tested)
Application Notes for anti-CD245 antibody	FC/FACS: The reagent is designed for analysis of human blood cells using 10 ul reagent/100 ul of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Related Product Information for anti-CD245 antibody	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 References and Citations for anti-CD245 antibody	*Kishimoto et al.: Leucocyte typing VI, Garland Publishing 1996, URL:,*Mason et al.: Leucocyte typing VII, Oxford University Press 2000, URL:,
Other Notes	Small volumes of anti-CD245 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD245 purchase	MBS1802380 is an antibody targeting CD245. Also known as Anti-Hu CD245 PE. Reactive in Human.



Flow Cytometry (FC/FACS) of anti-CD245 antibody
Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD245 (DY12) PE antibody (10 ?l reagent / 100 ?l of peripheral whole blood).



Flow Cytometry (FC/FACS) of anti-CD245 antibody
Separation of human monocytes (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD245 (DY12) PE antibody (10 ?l reagent / 100 ?l of peripheral whole blood).

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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Online datasheet: https://www.mybiosource.com/human-antibody/cd245/1802380