

30-1080PE-Cy5: Anti-CD193 / CCR3 Monoclonal Antibody (Clone:5E8) PE-Cy™ 5 conjugated

Clonality :	Monoclonal
Clone Name :	5 E 8
Application :	FACS
Reactivity :	Human
Conjugate :	PE
Gene :	CCR3
Gene ID :	1232
Uniprot ID :	P51677
Alternative Name :	CCR3,CMKBR3,CKR3,CKR-3
Isotype :	Mouse IgG2b kappa
Immunogen Information :	human CD193 transfectants

Description

Specificity: The mouse monoclonal antibody 5E8 recognizes an extracellular epitope of CD193 (chemokine receptor 3), an approximately 41 kDa protein expressed above all in eosinophils and basophils.

Description: CD193 / CCR3 is a G-protein coupled receptor for several chemokines, namely CCL11 (eotaxin), CCL26 (eotaxin-3), CCL7 (MCP-4), or CCL5 (RANTES). It is highly expressed on eosinophils and basophils, and is also detected in TH1 and TH2 cells, as well as in airway epithelial cells. CD193 is the key eosinophil chemokine receptor responsible for regulation of eosinophil migration and function. This receptor may contribute to the accumulation and activation of eosinophils and other inflammatory cells in the allergic airway. It is also known to be an entry co-receptor for HIV-1.

Product Info

Amount :	100 tests
Purification :	Purified antibody is conjugated with activated tandem dye of R-phycoerythrin-cyanine 5 (PE-Cy™ 5) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Content :	Formulation: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10⁶ cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

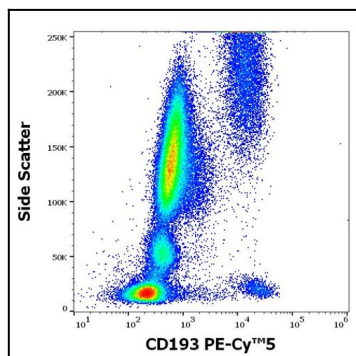


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD193 (5E8) PE-Cy™ 5 antibody (concentration in sample 1 µg/ml).

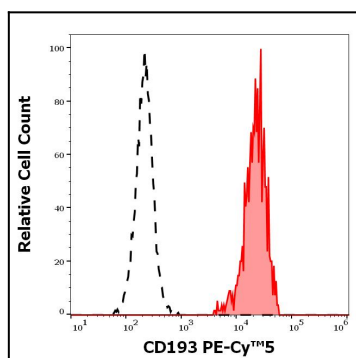


Figure 2: Separation of human CD193 positive CD45 dim basophils (red-filled) from CD193 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD193 (5E8) PE-Cy™ 5 antibody (concentration in sample 1 µg/ml).