TECHNICAL DATA SHEET

CyFlow™ CD193 Purified
Anti-Hu; Clone 5E8

REF **AY547099**

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD193
Alternative Names	CCR3, CC-CKR3, CMKBR3, CKR3
Clone	5E8
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgG2b
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	< no data >

Specificity

The mouse monoclonal antibody 5E8 recognizes CD193 antigen, a 41 kDa protein expressed above all in eosinophils and basophils.

Contact Information:

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Application

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

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.

References

- Morshed M, Hlushchuk R, Simon D, Walls AF, Obata-Ninomiya K, Karasuyama H, Djonov V, Eggel A, Kaufmann T, Simon HU, Yousefi S: NADPH oxidase-independent formation of extracellular DNA traps by basophils. J Immunol. 2014 Jun 1; 192(11):5314-23. < PMID: 24771850 >

The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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