



1P-161-T100

## Monoclonal Antibody to CD193 Phycoerythrin (PE) conjugated (100 tests)

<b>Clone:</b>	5E8
<b>Isotype:</b>	Mouse IgG2b
<b>Specificity:</b>	The mouse monoclonal antibody 5E8 recognizes CD193 (chemokine receptor 3), an approximately 41 kDa protein expressed above all in eosinophils and basophils.
<b>Regulatory Status:</b>	RUO
<b>Species Reactivity:</b>	Human
<b>Preparation:</b>	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
<b>Storage Buffer:</b>	The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
<b>Storage / Stability:</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
<b>Usage:</b>	The reagent is designed for Flow Cytometry analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
<b>Expiration:</b>	See vial label
<b>Lot Number:</b>	See vial label
<b>Background:</b>	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.
<b>References:</b>	*Morshed M, Hlushchuk R, Simon D, Walls AF, Obata-Ninomiya K, Karasuyama H, Djonov V, Egel 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.

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