EXBIO Antibodies

PRODUCT DATA SHEET

11-161-C100

Monoclonal Antibody to CD193 Purified Antibody (0.1 mg)

Clone:	5E8
Isotype:	Mouse IgG2b
Specificity:	The mouse monoclonal antibody 5E8 recognizes CD193 (chemokine receptor 3), an approximately 41 kDa protein expressed above all in eosinophils and basophils.
Regulatory Status:	RUO
Species Reactivity:	Human
Application:	Flow Cytometry
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by protein-A affinity chromatography
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration:	See vial label
Lot Number:	See vial label
Background:	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.

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