

APC anti-human CD193 (CCR3)

Catalog # / Size: 310707 / 25 tests
310708 / 100 tests

Clone: 5E8

Isotype: Mouse IgG2b, κ

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**

Applications:

Applications: FC -Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

Application Notes: Additional reported applications (for the relevant formats) include: The 5E8 antibody is useful for immunofluorescent staining and flow cytometric analysis of CCR3 expression.

Application References: 1. Beauvillian C, *et al.* 2011. *Blood* 117:1196. PubMed

Description: CC-chemokine receptor 3 (CCR3), also known as CC CKR3, MIP1-alpha receptor like-2, eotaxin receptor, and CD193, is a member of the G protein-coupled seven transmembrane receptors family. It binds to the CC chemokines eotaxin, eotaxin-2, and eotaxin-3 with high affinity. CCR3 has also been reported to bind RANTES, MCP-3, and MCP-4 with low affinity. CCR3 receptor is expressed on human eosinophils, basophils, mast cells, mononuclear phagocytes, platelets, CD34⁺ hematopoietic progenitor cells, Th2-like lymphocytes, and keratinocytes. CCR3 is thought to play a role in allergic diseases such as bronchial asthma and allergic rhinitis. CCR3 is a co-receptor for HIV-1 and HIV-2, and the binding of eotaxin with CCR3 has been shown to inhibit HIV infection in some cell types.

Antigen References: 1. Gerard W, *et al.* 1996. *J. Exp. Med.* 183:2437.
2. Ugucconi C, *et al.* 1997. *J. Clin. Invest.* 100:1137.
3. Sallusto F, *et al.* 1997. *Science* 277:2005.
4. Loetscher P, *et al.* 2001. *J. Biol. Chem.* 276:2986.

Related Products:	Product	Clone	Application
	Cell Staining Buffer		FC, ICC, ICFC
	RBC Lysis Buffer (10X)		FC, ICFC
	APC Mouse IgG2b, κ Isotype Ctrl	MG2b-57	FC, ICFC
	Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC



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