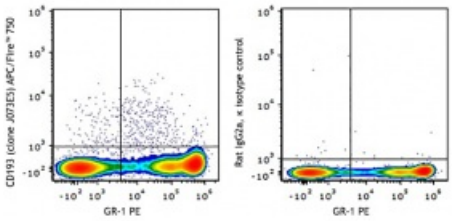
SONY

Product Data Sheet

APC/Fire™ 750 anti-mouse CD193 (CCR3)

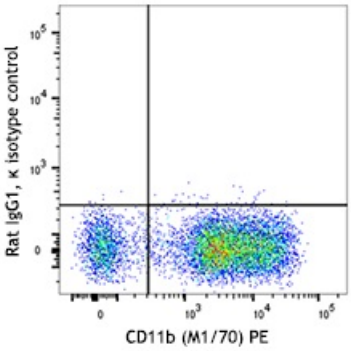
Catalog # / Size:	1322610 / 100 µg 1322605 / 25 µg
Clone:	J073E5
Isotype:	Rat IgG2a, κ
Immunogen:	Mouse CCR3-transfectants
Reactivity:	Mouse
Preparation:	The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Workshop Number:	750 under optimal conditions.
Concentration:	0.2 mg/ml



C57BL/6 mouse bone marrow stained with anti-mouse CD193 (clone J073E5) APC/Fire™ 750 and anti-mouse Ly-6G/Ly-6C (clone GR-1) PE (left) or Rat IgG2a, κ (clone RTK2758) APC/Fire™ 750 isotype control (right).

Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application. * APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.
Application Notes:	Additional reported applications (for the relevant formats) include: blocking SIRPa interaction with CD47[4], *in vivo* blocking of dendritic cell migration[3], enhancing of macrophage phagocytosis[2,4], immunohistochemical staining of cerebellum frozen sections[1], and immunoprecipitation[2,4].



C57BL/6 mouse bone marrow cells were stained with CD150 (SLAM) (clone TC15-12F12.2) APC/Fire™ 750 (filled histogram) or rat IgG2a, κ APC/Fire™ 750 isotype control (open histogram).

Application References:

1. Comu S, *et al.* 1997. *J. Neurosci.* 17:8702. (IHC)
2. Gresham HD, *et al.* 2000. *J. Exp. Med.* 191:515. (IP)
3. Fukunaga A, *et al.* 2004. *J. Immunol.* 172:4091. (Block)
4. Oldenborg PA, *et al.* 2000. *Science* 288:2051. (Block, IP)

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

Antigen References:

1. Zlotnik A, *et al.* 2006. *Genome Biol.* 7:243.
2. Kodali RB, *et al.* 2004. *Arterioscler. Thromb. Vasc. Biol.* 24:1211.
3. Das AM, *et al.* 2006. *J. Pharmacol. Exp. Ther.* 318:411.
4. Huaux F, *et al.* 2005. *Am. J. Pathol.* 167:1485.
5. Puxeddu I, *et al.* 2006. *J. Allergy Clin. Immunol.* 117:103.