

## Polyclonal anti-Mouse CD193(CCR3)

## PURIFIED RABBIT ANTI-MOUSE CD193 (CCR3) POLYCLONAL ANTIBODY

### PRODUCT INFORMATION

Catalog Number: **556882, 0.1 mg**  
 Description: Purified rabbit anti-mouse CD193 (CCR3)  
 Isotype: Rabbit IgG  
 Storage Buffer: Aqueous buffered solution containing 0.09% Sodium Azide

### DESCRIPTION

Mouse CC chemokine receptor (CCR) 3, a G-protein coupled seven-transmembrane domain receptor, is the functional receptor for mouse eotaxin<sup>1,2</sup>. It was reported that human CCR3 is expressed on eosinophils, basophils, and possibly Th2 lymphocytes.<sup>3,6</sup> However, a recent report suggests that mouse Th2 cells may not express CCR3.<sup>7</sup> Eotaxin is a major activator of these cells through binding to CCR3 and is suggested to play a major regulatory role in allergic inflammation. This polyclonal antibody was generated by immunizing rabbits with a C5a adjuvant peptide (YSFKPMLaR)<sup>8</sup> conjugated with a peptide (KTVVESFETTPYEYEW) derived from the amino-terminal region of mouse CCR3.

### PREPARATION AND STORAGE

This polyclonal antibody was purified from immune rabbit serum by Protein G affinity chromatography. The purified antibody should be stored undiluted at 4°C. **Do not freeze.**

### APPLICATION NOTES

**Immunofluorescent Staining and Flow Cytometric Analysis:** The purified polyclonal anti-mouse CCR3 antibody (Cat. No. 556882) can be used for the immunofluorescent staining and flow cytometric analyses of mouse CCR3 expression (see Figure).

A multistep staining procedure is recommended to amplify immunofluorescent signals for the flow cytometric analysis of mouse CCR3 expression:

- Step 1:** Incubate the cells with 0.1 - 1 µg of purified polyclonal anti mouse CCR3 antibody at 4°C for 15 - 20 minutes. Wash cells two times with staining medium containing sodium azide (e.g., Dulbecco's PBS or tissue culture medium [without phenol red and biotin] with 0.09% sodium azide and 2% heat-inactivated FCS or 0.2% BSA).
- Step 2:** Incubate the cells with 0.25 µg of biotinylated goat anti-rabbit Ig at 4°C for 20 minutes. Wash cells two times.
- Step 3:** Incubate the cells with streptavidin-phycoerythrin (Cat. No. 554061) at 4°C for 20 minutes. Wash two times. Resuspend cells in staining medium and analyze stained cells with a FACScan™ Flow Cytometer (Becton Dickinson, San Jose, CA) using appropriate specificity and compensation controls.

**Note: This reagent was evaluated for positive staining by flow cytometry using L1.2 cells transfected with mouse CCR3. The level of CCR3 expression detected on normal mouse cells by this reagent has not been determined. Investigators are advised to determine optimal concentrations for individual applications**

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**Caution:** Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

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