

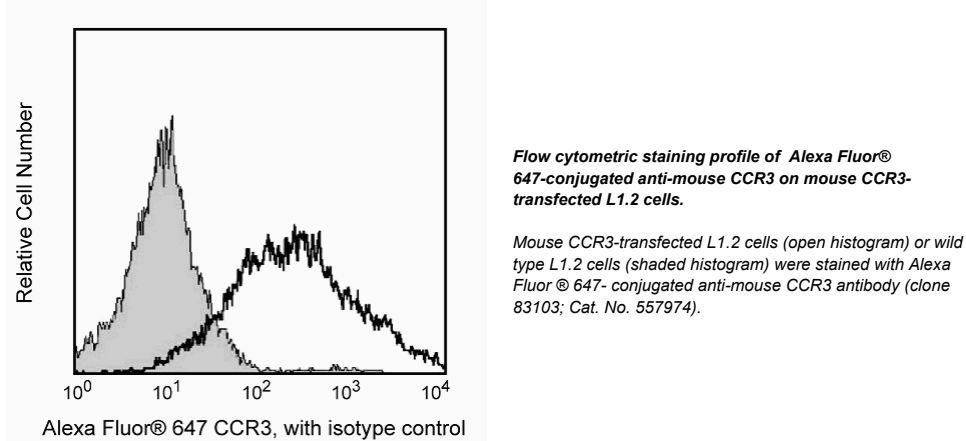
Technical Data Sheet

Alexa Fluor® 647 Rat Anti-Mouse CD193

Product Information	
Material Number:	557974
Alternate Name:	CCR3
Size:	0.1 mg
Concentration:	0.2 mg/ml
Clone:	83103
Immunogen:	Mouse CCR3 transfected Cells
Isotype:	Rat IgG2a
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

CCR3 is a CC chemokine receptor that is the receptor for CCL11/eotaxin, CCL24/eotaxin-2, CCL26/eotaxin-3, CCL5/RANTES, CCL7/MCP-3, CCL8/MCP-2, CCL14/MCP-4, CCL15/HCC-2 and CCL3/MIP-1a. It has been reported that mouse CCR3 is expressed in eosinophils, mast cells and Th2 cells and it plays an important role in eosinophil recruitment to the skin and the lung and in the development of airway hyperresponsiveness. The immunogen used to generate 83103 hybridoma was mouse CCR3- transfected cells.



Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. The antibody was conjugated to Alexa Fluor® 647 under optimum conditions, and unreacted Alexa Fluor® 647 was removed. Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application	
Flow cytometry	Routinely Tested

Recommended Assay Procedure:

The Alexa Fluor® 647-conjugated anti-mouse CCR3 antibody can be used for immunofluorescent staining and flow cytometric analysis to identify and enumerate CCR3 expressing cells (see figure).

Suggested Companion Products

Catalog Number	Name	Size	Clone
557690	Alexa Fluor® 647 Rat IgG2a, κ Isotype Control	0.1 mg	R35-95

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Product Notices

1. Please refer to www.bdbiosciences.com/pharmlingen/protocols for technical protocols.
2. Alexa Fluor is a registered trademark of Molecular Probes, Inc., Eugene, OR.
3. Alexa Fluor® 647 fluorochrome emission is collected at the same instrument settings as for allophycocyanin (APC).
4. The Alexa Fluor®, Pacific Blue™, and Cascade Blue® dye antibody conjugates in this product are sold under license from Molecular Probes, Inc. for research use only, excluding use in combination with microarrays, or as analyte specific reagents. The Alexa Fluor® dyes (except for Alexa Fluor® 430), Pacific Blue™ dye, and Cascade Blue® dye are covered by pending and issued patents.
5. This antibody has been developed for the application listed above. However, a routine test is not performed on every lot. Researchers should determine the optimal concentration of this reagent for their individual applications.
6. 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.

References

- Ma W, Bryce PJ, Humbles AA. CCR3 is essential for skin eosinophilia and airway hyperresponsiveness in a murine model of allergic skin inflammation. *J Clin Invest.* 2002; 109(5):621-628.(Biology)
- Teixeira MM, Wells TN, Lukacs NW. Chemokine-induced eosinophil recruitment. Evidence of a role for endogenous eotaxin in an in vivo allergy model in mouse skin. *J Clin Invest.* 1997; 100(7):1657-1666.(Biology)