Technical Data Sheet

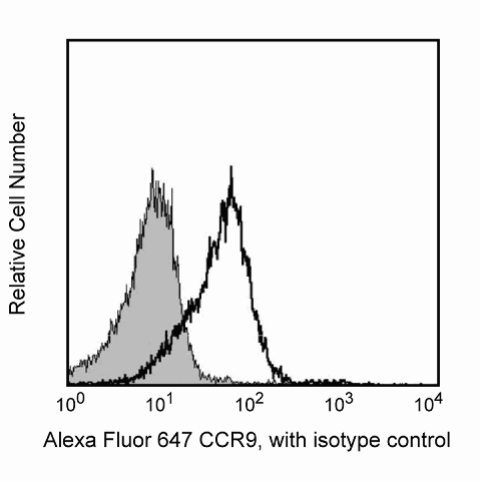
Alexa Fluor® 647 Mouse Anti-Human CCR9

Product Information

Material Number:	**557975**
Size:	0.1 mg
Concentration:	0.2 mg/ml
Clone:	112509
Isotype:	Mouse IgG2a
Reactivity:	QC Testing: Human
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

Human CCR9 is a thymus specific CC chemokine receptor expressed at high levels by essentially all CD4(+) and CD8(+) T lymphocytes. CCR9 and its ligand CCL25/TECK are involved in lymphocyte recruitment in the small intestine. The immunogen used to generate the 112509 hybridoma was human CCR9-transfected cells.



Flow cytometric staining profile of Alexa Fluor® 647-conjugated anti-human CCR9 on MOLT-4 cells. *MOLT-4 cells were stained with Alexa Fluor® 647-conjugated anti-human CCR9 antibody (clone 112509; Cat. No. 557975) or Alexa Fluor® 647-conjugated mouse IgG2a (clone G155-178; Cat. No. 557715; shaded histogram).*

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:

Immunofluorescent staining and flow cytometric analysis: The Alexa Fluor® 647-conjugated anti-human CCR9 antibody can be used for immunofluorescent staining and flow cytometric analysis to identify and enumerate CCR9 expressing cells.

Suggested Companion Products

Catalog Number	Name	Size	Clone
557715	Alexa Fluor® 647 Mouse IgG2a, κ Isotype Control	100 tests	G155-178

Product Notices

1. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
2. 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.
3. Alexa Fluor® 647 fluorochrome emission is collected at the same instrument settings as for allophycocyanin (APC).

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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. Alexa Fluor® is a registered trademark of Molecular Probes, Inc., Eugene, OR.
6. Since applications vary, each investigator should titrate the reagent to obtain optimal results.

References

Kunkel EJ, Campbell JJ, Haraldsen G, et al. Lymphocyte CC chemokine receptor 9 and epithelial thymus-expressed chemokine (TECK) expression distinguish the small intestinal immune compartment: Epithelial expression of tissue-specific chemokines as an organizing principle in regional immunity. *J Exp Med.* 2000; 192(5):761-768. (Biology)

Zaballos A, Gutierrez J, Varona R, Ardavin C, Marquez G. Cutting edge: identification of the orphan chemokine receptor GPR-9-6 as CCR9, the receptor for the chemokine TECK. *J Immunol.* 1999; 162(10):5671-5675. (Biology)