

## Alexa Fluor® 647 anti-mouse CD199 (CCR9)

**Catalog # / Size:** 128707 / 25 µg  
128708 / 100 µg

**Clone:** CW-1.2

**Isotype:** Mouse IgG2a, κ

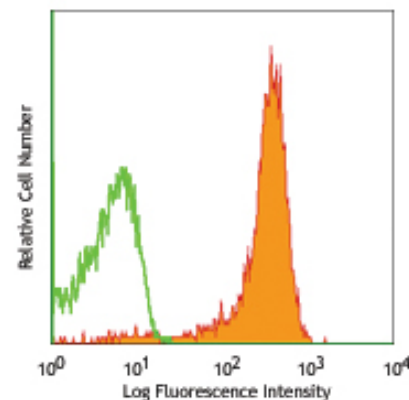
**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 647.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.5 mg/ml

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



C57BL/6 thymocytes stained with CW-1.2 Alexa Fluor® 647

## Applications:

**Applications:** FC - Quality tested

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent 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.

\* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.

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**Description:** CCR9 is a member of the G protein coupled receptor family and is involved in T cell development in the thymus and in gut-associated immune response. Mouse CCR9 is highly expressed on different stages of thymocytes and upregulated on CD4+CD8+ cells. It is expressed to a much lower level on spleen and lymph node cells. Expression of CCR9 on γδ T cells in the intraepithelial and small intestine has been reported. The interaction of CCR9 with its ligand CCL25 (TECK, thymus-expressed chemokine) may direct the trafficking of developing T cells in the thymus and generation of gut-specific immunological memory.

**Antigen References:**

1. Zaballo A, *et al.* 1999. *J. Immunol.* 162:5671.
2. Wurbel MA, *et al.* 2007. *J. Immunol.* 178:7598.
3. Wurbel MA, *et al.* 2006. *Eur. J. Immunol.* 36:73.

### Related Products:

**Product**  
Alexa Fluor® 647 Mouse IgG2a, κ Isotype Ctrl  
Cell Staining Buffer  
RBC Lysis Buffer (10X)  
TruStain fcX™ (anti-mouse CD16/32)

**Clone**  
MOPC-173

93

**Application**  
FC, ICFC  
FC, ICC, ICFC  
FC, ICFC  
FC



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