

Product Data Sheet

PE anti-mouse CD199 (CCR9)

Catalog # / Size: 128709 / 25 µg
128710 / 100 µg

Clone: CW-1.2

Isotype: Mouse IgG2a, κ

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

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

Concentration: 0.2 mg/ml

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

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 10⁶ cells in 100 µl staining volume. It is recommended that the reagent be titrated for optimal performance for each application.

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. Zaballos 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
PE 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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