

Anti-CCR9 [9B1] Standard Size Ab01581-3.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric mouse antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG2b, Fc Silent™, Kappa

Clone Number: 9B1

Alternative Name(s) of Target: CD199; C-C chemokine receptor type 9; C-C CKR-9; CC-CKR-9; CCR-9; G-protein coupled receptor 28; GPR-9-6; CDw199; 9B-1

UniProt Accession Number of Target Protein: Q9WUT7

Published Application(s): neutralizing, FC

Published Species Reactivity: Mouse

Immunogen: This antibody was raised by immunizing rats with KLH-conjugated linear peptide corresponding to the N-terminus of mouse CCR9.

Specificity: 9B1 antibody recognizes CCR9 at the N-terminus. 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.

Application Notes: This antibody is recommended for the detection and analysis of CCR9 via flow cytometry (Farazuddin et al., 2019). Furthermore, it was demonstrated that this 9B1 antibody was capable of neutralizing CCR9 function, as it inhibited CCL25-induced calcium mobilization in L1.2-CCR9 cells (Rivera-Nieves et al., 2006).

Antibody First Published in: Rivera-Nieves et al. Antibody blockade of CCL25/CCR9 ameliorates early but not late chronic murine ileitis. Gastroenterology. 2006 Nov;131(5):1518-29. Epub 2006 Aug 16.

[PMID:17101325](#)

Note on publication: This article describes the generation and characterization of 9B1 antibody.

Product Form

Size: 200 µg Purified antibody.

Purification:

Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.