

Anti-CCR7 [4B12] Bulk Size Ab01590-3.3-BT

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: 4B12

Alternative Name(s) of Target: EBI1; EBV-induced G-protein coupled receptor 1; Epstein-Barr virus-induced G-protein coupled receptor 1; MIP-3 beta receptor; CD197; C-C CKR-7; CC-CKR-7; C-C chemokine receptor type 7

UniProt Accession Number of Target Protein: P47774

Published Application(s): functional assays, IP, FC

Published Species Reactivity: Mouse

Immunogen: This antibody was raised by immunizing rats with mouse CCR7 antigen.

Specificity: This antibody is specific to the mouse CCR7 protein, which was confirmed by immunoprecipitation (Ritter et al, 2004).

Application Notes: This antibody was used for flow cytometry and the staining quality can be improved by incubation at 37°C (Britschgi et al, 2008). This antibody is widely used to monitor the activation of dendritic cells in mice (Ohl et al, 2004; Ritter et al, 2004; Zhao et al, 2019). It was also utilized in immunoprecipitation of the CCR7 receptor protein (Ritter et al, 2004). The antibody does not interfere with ligands binding to the CCR7 receptor, which was confirmed by a transmigration assay (Ritter et al, 2004). It does not interfere with T-cell migration (Ritter et al, 2004). The antibody also is not agonistic as it does not activate the receptor (Ritter et al, 2004).

Antibody First Published in: Ritter et al. Analysis of the CCR7 expression on murine bone marrow-derived and spleen dendritic cells. J Leukoc Biol. 2004 Aug;76(2):472-6. Epub 2004 Jun 14. [PMID:15197229](#)

Note on publication: The article describes the analysis of CCR7 expression during the maturation of bonemarrow-dendritic cells

Product Form

Size:

1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.