

## Anti-CCR5 (phosphoserine 349) [E11/19] Standard Size Ab01578-13.12

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG4-S228P, Kappa

**Clone Number:** E11/19

**Alternative Name(s) of Target:** CD195; C-C chemokine receptor type 5; C-C CKR-5; CC-CKR-5; CCR-5; CHEMR13; HIV-1 fusion coreceptor; p349; pS349; Ser-349; Ser349

**UniProt Accession Number of Target Protein:** P51681

**Published Application(s):** IP, WB, ELISA, IF

**Published Species Reactivity:** Human

**Immunogen:** This antibody was raised by immunizing mice with a synthetic phosphopeptide (CEAPER(pS)(pS)VYTR(pS)TGEQI(pS)VGL) corresponding to the C-terminal region of human CCR5.

**Specificity:** The E11/19 monoclonal antibody binds to phosphoserine 349 corresponding to 22 c-terminal amino acid residue of human CCR5. CCR5 is a receptor for a number of inflammatory CC-chemokines including CCL3/MIP-1-alpha, CCL4/MIP-1-beta and RANTES.

**Application Notes:** The E11/19 antibody is recommended for flow cytometric analysis, immunoblotting, and ELISA assay of CCR5 expression. It was also successfully utilized in the immunoprecipitation of CCR5 (Venuti et al., 2016). This antibody was demonstrated to detect pS349 CCR5 via Western blot when it was first activated to its phosphorylated form (Pollok-Kopp et al., 2003). Furthermore, E11/19 antibody was used to identify the localization of pS349 CCR5 in RBL cells via immunofluorescence (Pollok-Kopp et al., 2003). With other anti-CCR5 antibodies which react with nonphosphorylated CCR5 (Ab01577) or CCR5 phosphorylated on different serine residues (Ab01579), it can be used to study dynamic regulation of CCR5 and of phosphorylation mechanisms.

**Antibody First Published in:** Pollok-Kopp et al. Analysis of ligand-stimulated CC chemokine receptor 5 (CCR5) phosphorylation in intact cells using phosphosite-specific antibodies. J Biol Chem. 2003 Jan 24;278(4):2190-8. Epub 2002 Oct 27. [PMID:12403770](#)

**Note on publication:** This article describes the generation and characterization of the E11/19 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.