

Datasheet for ABIN7072657

Recombinant anti-CCR5 antibody (pSer349)[Go to Product page](#)**2** Images

Overview

Quantity:	200 µg
Target:	CCR5
Binding Specificity:	pSer349
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Conjugate:	This CCR5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Purpose:	Anti-CCR5 (phosphoserine 349) [E11/19], Rabbit IgG, kappa
Immunogen:	This antibody was raised by immunizing mice with a synthetic phosphopeptide (CEAPER(A(pS)(pS)VYTR(pS)TGEQI(pS)VGL) corresponding to the C-terminal region of human CCR5.
Clone:	E11-19
Isotype:	IgG kappa
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.

Product Details

Characteristics: Original Species of Ab: Mouse
Original Format of Ab: IgG1

Purification: Protein A affinity purified

Target Details

Target: CCR5

Alternative Name: CCR5 ([CCR5 Products](#))

Background: 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: [P51681](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [cAMP Metabolic Process](#), [Regulation of Cell Size](#)

Application Details

Application Notes: The E11/19 antibody is recommended for 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.

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

Restrictions: For Research Use only

Handling

Concentration: 1 mg/mL

Buffer: PBS with 0.02 % Proclin 300.

Preservative: ProClin

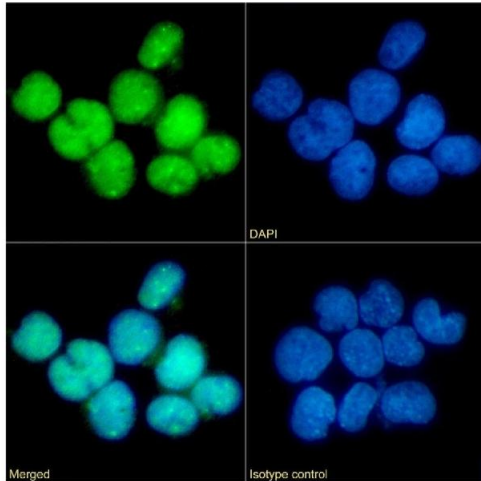
Handling

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

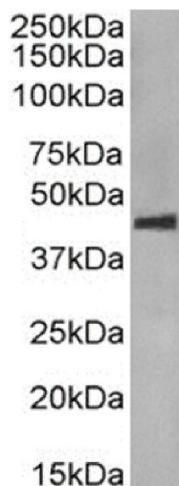
Storage Comment: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Images



Immunofluorescence

Image 1. Immunofluorescence staining of fixed U937 cells with anti-CCR5 (phosphoserine 349) antibody E11/19. Immunofluorescence analysis of paraformaldehyde fixed U937 cells on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of E11/19 (ABIN7072657) at 10 µg/mL for 1h followed by Alexa Fluor® 488 secondary antibody (2 µg/mL), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom ABIN7072657, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody (ABIN5668125) followed by staining with Alexa Fluor® 488 secondary antibody.



Western Blotting

Image 2. Western Blot using anti-CCR5 (phosphoserine 349) antibody E11/19. Molt4 cell lysate (35 µg protein in RIPA buffer) was resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of E11/19 (ABIN7072657) at 0.1 µg/mL before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.