

CCR5 Antibody, pAb, Rabbit**Cat. No.:** A00979-40**Size:** 40 µg**Synonyms:** Rabbit Anti-CCR5 pAb;**Description:**

The CC chemokine receptor 5 (CCR5) is a member of the CC chemokine receptor family. It has the characteristic structure of a 7 transmembrane G protein-coupled receptor (GPCR).

CCR5 is a receptor for a number of inflammatory CC chemokines including MIP-1-alpha, MIP-1-beta and RANTES. It transduces a signal by increasing the intracellular calcium ion level and may play a role in the control of granulocytic lineage proliferation or differentiation. It also acts as a coreceptor (CD4 being the primary receptor) for HIV-1 R5 isolates. CCR5 is highly expressed in spleen, thymus, and also in the myeloid cell line THP-1, the promyeloblastic cell line KG-1A and on the CD4+ and CD8+ T-cells. Moreover, recent studies have highlighted the role of CCR5 in a variety of human diseases, ranging from infectious and inflammatory diseases to cancer.

GenScript **Rabbit Anti-CCR5 Polyclonal Antibody** is developed in rabbit using a KLH-coupled synthetic peptide derived from extracellular domain of human CCR5.

Immunogen: KLH-coupled synthetic peptide derived from extracellular domain of human CCR5.

Host: Rabbit

Antigen Synonyms: Human

Conjugation: Unconjugated

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Ig Subclass: Rabbit IgG

Specificity: GenScript Rabbit Anti-CCR5 Polyclonal Antibody detects human CCR5 protein. It has not yet been tested for other species.

Purification: Immunoaffinity chromatography

Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/ml

Immunohistochemistry: 5-10 µg/ml

Other applications: user-optimized

Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.