

Product datasheet for **AP05820PU-N**

CCR8 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 1:500.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide corresponding to amino acids 183 to 201 of human CDw198 (CCR8).
Specificity:	This antibody recognises the chemokine receptor CCR8, also known as CDw198, which has been identified as a co-receptor for HIV infection. CCR8 is a receptor for the human chemokine 1-309 which is expressed on spleen, thymus and T lymphoblastic cell lines. This antibody detects a band of approximately 50kD.
Formulation:	Phosphate buffered saline containing 0.02% Sodium Azide State: Purified State: Liquid purified IgG
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	C-C motif chemokine receptor 8
Database Link:	Entrez Gene 1237 Human P51685



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Background:

CCR8 is a member of the beta chemokine receptor family, which is predicted to be a seven transmembrane protein similar to G protein coupled receptors. Chemokines and their receptors are important for the migration of various cell types into the inflammatory sites. This receptor protein preferentially expresses in the thymus. I-309, thymus activation regulated cytokine (TARC) and macrophage inflammatory protein 1 beta (MIP1 beta) have been identified as ligands of this receptor. Studies of this receptor and its ligands suggested its role in regulation of monocyte chemotaxis and thymic cell apoptosis. More specifically, this receptor may contribute to the proper positioning of activated T cells within the antigenic challenge sites and specialized areas of lymphoid tissues. This gene is located at the chemokine receptor gene cluster region. CCR8 expression has been reported in spleen and thymus, natural killer cells, monocytes, and T cells, and at lower levels in peripheral blood leukocytes. CCR8 is also believed to be alternative coreceptor with CD4 for HIV-1 infection.

Synonyms:

C-C chemokine receptor type 8, C-C CKR-8, CC-CKR-8, CCR-8, GPR-CY6, Chemokine receptor-like 1, TER1, CMKBRL2, CC-chemokine receptor CHEMR1, CKRL1, CMKBR8, CMKBRL2