

Product datasheet for **SP4088P**

CCR7 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC
Recommended Dilution:	Immunocytochemistry: 14 µg/ml. Immunohistochemistry on Paraffin Sections: 14 µg/ml.
Reactivity:	Human, Bovine, Bat, Equine, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic 17 amino acid peptide from C-terminus of human CCR7
Specificity:	Reacts with C-terminus of CCR7 (family: GPCR, subfamily: Chemokine).
Formulation:	PBS containing 0.09% Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Peptide Immunogen Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C to -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	C-C motif chemokine receptor 7
Database Link:	Entrez Gene 1236 Human P32248



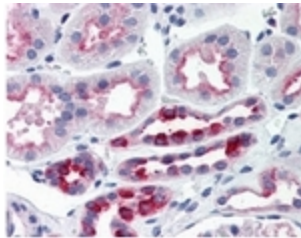
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Background:

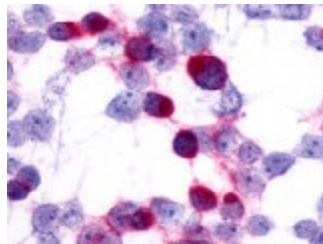
CCR7, a Chemokine Receptor, is involved in lymphocyte recirculation through secondary lymphoid organs and moving lymphocytes and dendritic cells into distinct tissue compartments. CCR7 is called the Epstein-Barr-induced receptor because it mediates Epstein-Barr viral effects on B lymphocytes. CCR7 expression is up-regulated in mature dendritic cells, B cells infected with EBV, and in CD4+ cells infected with human herpes virus 6 and 7. Immature dendritic cells have been shown to express chemokine receptor 5 (CCR5) and migrate in response to macrophage inflammatory protein-1alpha (MIP-1alpha), whereas mature dendritic cells switch to CCR7 expression and respond exclusively to MIP-3beta and 6Ckine. Maturing dendritic cells upregulate CCR7, which drives their migration to the T-cell areas of the draining lymph nodes where antigen is presented to naive T cells. CCR7 has been reported to be expressed in blood, bone marrow, lymph node, and intestine. This receptor is particularly expressed in lymphoid tissues and in activated B and T lymphocytes. ESTs have been isolated from blood, embryo, lymph node, and thymus libraries.

Synonyms:

C-C chemokine receptor type 7, C-C CKR-7, CC-CKR-7, CCR-7, CMKBR7, EBI1, EVI1, BLR2

Product images:

Kidney (Formalin-fixed paraffin section, human)



Cells expressing target protein - immunostained with target antibody



Cells expressing vector only - immunostained with target antibody