

**SP4003P****Polyclonal Antibody to CD197 / CCR7 (1st Extracell. Dom.) - Aff - Purified**

<b>Alternate names:</b>	BLR2, C-C CKR-7, C-C chemokine receptor type 7, CC-CKR-7, CCR-7, CMKBR7, EBI1, EBV-induced G-protein coupled receptor 1, EVI1, MIP-3 beta receptor
<b>Quantity:</b>	50 µg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	<p>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.</p> <p>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.</p>
<b>Uniprot ID:</b>	<a href="#">P32248</a>
<b>NCBI:</b>	<a href="#">NP_001829.1</a>
<b>GeneID:</b>	<a href="#">1236</a>
<b>Host:</b>	Rabbit
<b>Immunogen:</b>	<p>16 amino acid peptide from 1st extracellular domain of Human CCR7.</p> <p><b>Percent identity with other species by BLAST analysis:</b> Human, Gorilla, Gibbon, Monkey (100%); Bovine, Pig (94%); Marmoset, Elephant, Bat, Horse, Rabbit (88%); Panda, Dog (81%).</p> <p><b>Epitope:</b> 1st extracellular domain.</p> <p><b>Genename:</b> CCR7</p> <p><b>Remarks:</b> The immunizing peptide shows 62% identity (75% similarity) with mouse and rat.</p>
<b>Format:</b>	<p><b>State:</b> Liquid purified Ig fraction</p> <p><b>Purification:</b> Immunoaffinity Chromatography</p> <p><b>Buffer System:</b> PBS, pH 7.7</p> <p><b>Preservatives:</b> 0.09% Sodium Azide</p>
<b>Applications:</b>	<p><b>Immunohistochemistry on Paraffin Sections:</b> 10 - 20 µg/ml.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>

- Specificity:** C-C Chemokine Receptor 7 (family: GPCR, subfamily: Chemokine).  
BLAST analysis of the peptide immunogen showed no homology with other human proteins, except GPR141 (44%).
- Species Reactivity:** **Tested:** Human, Gorilla, Gibbon, Monkey, Bovine, Pig, Marmoset, Elephant, Bat, Horse, Rabbit, Panda, Dog  
**Expected from sequence similarity:** Mouse, Rat
- Storage:** Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer.  
Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.
- Pictures:** Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)

