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CCR7 Antibody
Catalog # ASC11750

Specification

CCR7 Antibody - Product Information

Application	**WB, IHC-P, IF, E**
Primary Accession	P32248
Other Accession	NP_001829, 4502641
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**Predicted: 42 kDa** **Observed: 42 kDa KDa**
Application Notes	**CCR7 antibody can be used for detection of CCR7 by Western blot at 1 - 2 µg/ml. Antibody can also be used for Immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.**

CCR7 Antibody - Additional Information

Gene ID **1236**

Target/Specificity
CCR7; CCR7 antibody is human specific. CCR7 antibody is predicted to not cross-react with other CCR proteins.

Reconstitution & Storage
CCR7 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year.

Precautions
CCR7 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CCR7 Antibody - Protein Information

Name CCR7

Synonyms CMKBR7, EBI1, EVI1

Function
Receptor for the MIP-3-beta chemokine. Probable mediator of EBV effects on B-lymphocytes or of normal lymphocyte functions.

Cellular Location
Cell membrane; Multi-pass membrane protein.

Tissue Location

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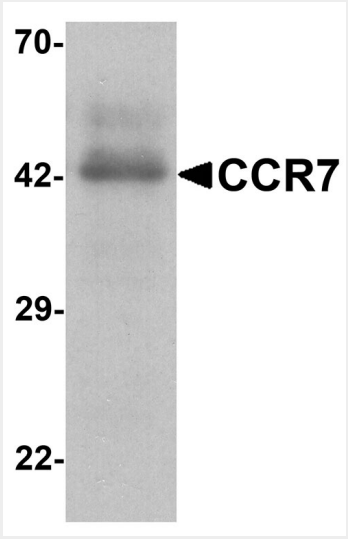
Expressed in various lymphoid tissues and activated B- and T-lymphocytes, strongly up-regulated in B-cells infected with Epstein-Barr virus and T-cells infected with herpesvirus 6 or 7

CCR7 Antibody - Protocols

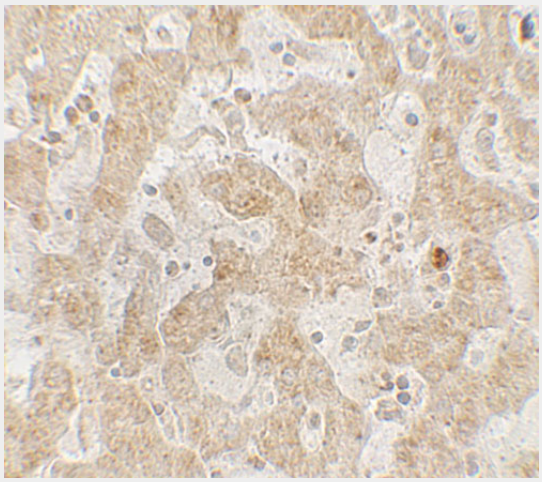
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CCR7 Antibody - Images



Western blot analysis of CCR7 in human spleen tissue lysate with CCR7 antibody at 1 µg/ml.



Immunohistochemistry of CCR7 in human spleen tissue with CCR7 antibody at 5 µg/mL.

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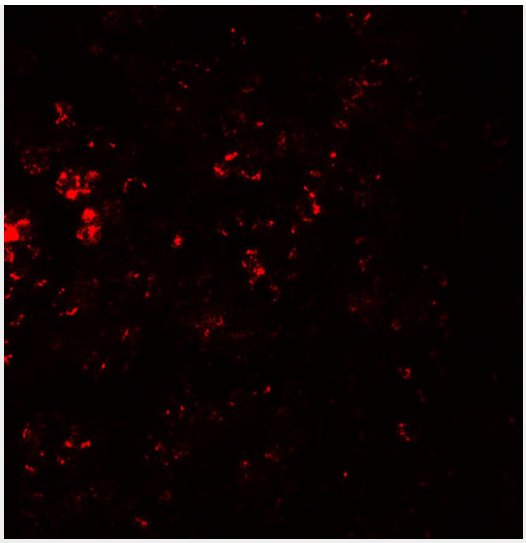

Immunofluorescence of CCR7 in human spleen tissue with CCR7 antibody at 20 µg/mL.

CCR7 Antibody - Background

The CCR7 protein is a member of the G protein-coupled receptor family. This receptor was identified as a gene induced by the Epstein-Barr virus (EBV), and is thought to be a mediator of EBV effects on B lymphocytes. This receptor is expressed in various lymphoid tissues and activates B and T lymphocytes. It has been shown to control the migration of memory T cells to inflamed tissues, as well as stimulate dendritic cell maturation (1,2). The chemokine (C-C motif) ligand 19 (CCL19) has been reported to be a specific ligand of this receptor (3).

CCR7 Antibody - References

Birkenbach M, Josefsen K, Yalamanchil R, et al. Epstein-Barr virus-induced genes: first lymphocyte-specific G protein-coupled peptide receptors. J. Virol. 1993; 67:2209-20.
Forster R, Davalos-Misslitz AC, and Rot A. CCR7 and its ligands: balancing immunity and tolerance. Nat. Rev. Immunol. 2008; 8:362-71.
Yoshida R, Imai T, Hieshima K, et al. Molecular cloning of a novel human CC chemokine EBI1-ligand chemokine that is a specific functional ligand for EBI1, CCR7. J. Biol. Chem. 1997; 272:13803-9.