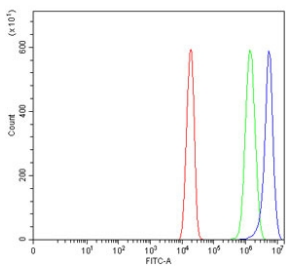
# CCR7 Antibody (RQ6939)

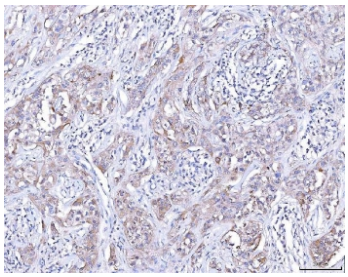
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ6939 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | P32248 |
| **Applications** | Immunohistochemistry (FFPE): 2-5ug/ml<br>Flow cytometry: 1-3ug/million cells<br>Direct ELISA: 0.1-0.5ug/ml |
| **Limitations** | This CCR7 antibody is available for research use only. |




Flow cytometry testing of human U-2 OS cells with CCR7 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CCR7 antibody.



IHC staining of FFPE human lymphoma tissue with CCR7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

## Description

C-C chemokine receptor type 7 is a protein that in humans is encoded by the CCR7 gene. The protein encoded by this gene 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. The chemokine (C-C motif) ligand 19 (CCL19/ECL) has been reported to be a specific ligand of this receptor. Signals mediated by this receptor regulate T cell homeostasis in lymph nodes, and may also function in the activation and polarization of T cells, and in chronic inflammation pathogenesis. Alternative splicing of this gene results in multiple transcript variants.

## Application Notes

Optimal dilution of the CCR7 antibody should be determined by the researcher.

## Immunogen

Recombinant human CCR7 protein (amino acids K332-E371) was used as the immunogen for the CCR7 antibody.

## Storage

After reconstitution, the CCR7 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.


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