

# Anti-CCR7 Rabbit Monoclonal Antibody

Catalog # ABO13357

## Product Information

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|                          |                                                                                                                                 |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC, IP                                                                                                            |
| <b>Primary Accession</b> | <a href="#">P32248</a>                                                                                                          |
| <b>Host</b>              | Rabbit                                                                                                                          |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                      |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                               |
| <b>Clonality</b>         | Monoclonal                                                                                                                      |
| <b>Format</b>            | Liquid                                                                                                                          |
| <b>Description</b>       | Anti-CCR7 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat. |

## Additional Information

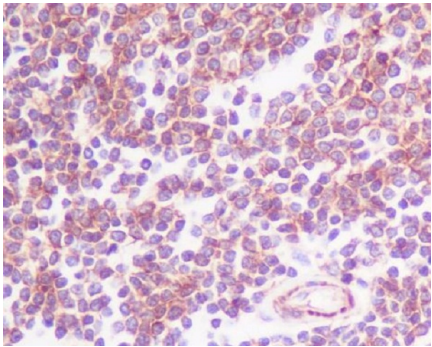
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|                                 |                                                                                                                                                                                                                                        |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                  | 1236                                                                                                                                                                                                                                   |
| <b>Other Names</b>              | C-C chemokine receptor type 7, C-C CKR-7, CC-CKR-7, CCR-7, BLR2, CDw197, Epstein-Barr virus-induced G-protein coupled receptor 1, EBI1, EBV-induced G-protein coupled receptor 1, MIP-3 beta receptor, CD197, CCR7, CMKBR7, EBI1, EVI1 |
| <b>Calculated MW</b>            | 42874                                                                                                                                                                                                                                  |
| <b>Application Details</b>      | WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:50                                                                                                                                                                      |
| <b>Subcellular Localization</b> | Cell membrane; Multi-pass membrane protein.                                                                                                                                                                                            |
| <b>Tissue Specificity</b>       | 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.                                              |
| <b>Source</b>                   | Eukaryota                                                                                                                                                                                                                              |
| <b>Contents</b>                 | Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5 mg/ml BSA.                                                                                                                  |
| <b>Clone Names</b>              | Clone: CFO-3                                                                                                                                                                                                                           |
| <b>Immunogen</b>                | A synthesized peptide derived from human CCR7                                                                                                                                                                                          |
| <b>Purification</b>             | Affinity-chromatography                                                                                                                                                                                                                |
| <b>Storage</b>                  | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.                                                                                             |

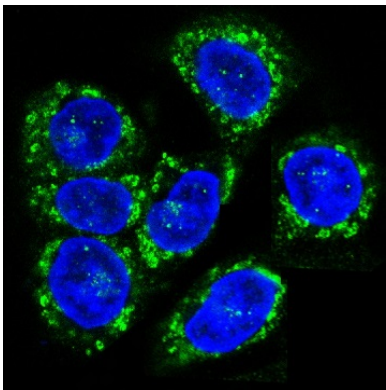
# Protein Information

|                   |                                                                                                                                                                                          |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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   | 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 |

# Images



Immunohistochemical analysis of paraffin-embedded human spleen, using CCR7 Antibody.



Immunofluorescent analysis of Hela cells, using CCR7 Antibody .

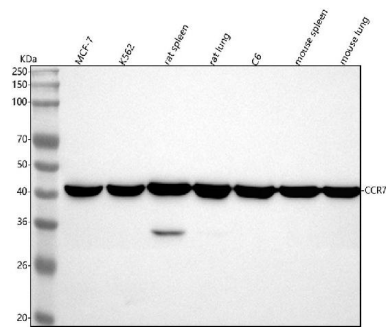


Figure 1. Western blot analysis of CCR7 using anti-CCR7 antibody (M00390). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human MCF-7 whole cell lysates, Lane 2: human K562 whole cell lysates, Lane 3: rat spleen tissue lysates, Lane 4: rat lung tissue lysates, Lane 5: rat C6 whole cell lysates, Lane 6: mouse spleen tissue lysates, Lane 7: mouse lung tissue lysates. After electrophoresis, proteins were transferred to a

nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CCR7 antigen affinity purified monoclonal antibody (Catalog # M00390) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for CCR7 at approximately 43 kDa. The expected band size for CCR7 is at 43 kDa.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.