

Rabbit anti-Human, mouse CCR7 Polyclonal Antibody | anti-CCR7 antibody

CCR7 Antibody (N-term)

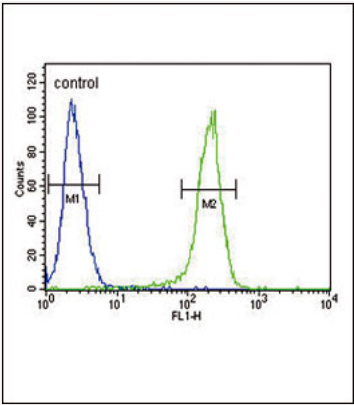
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28701	Rabbit	Human, mouse	Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

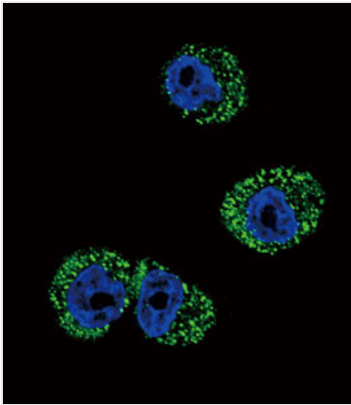
CCR7; Polyclonal Antibody; CCR7 Antibody (N-term); C-C chemokine receptor type 7; C-C CKR-7; CC-CKR-7; CCR-7; BLR2; CDw197; Epstein-Barr virus-induced G-protein coupled receptor 1; EBI1; EBV-induced G-protein coupled receptor 1; MIP-3 beta receptor; CD197; CMKBR7; EVI1; anti-CCR7 antibody

PRODUCT SPECIFICATIONS

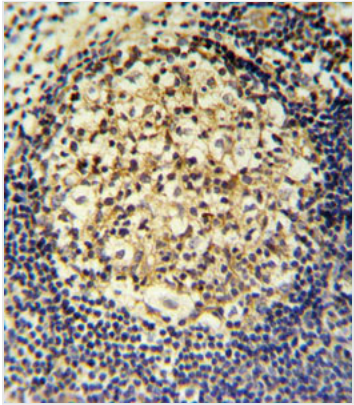
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CCR7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 11-37 amino acids from the N-terminal region of human CCR7.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	11-37
Sequence Length	378
Applicable Applications for anti-CCR7 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB~~1:500-1:1000 IHC-P~~1:10~50 IF~~1:10~50 FC~~1:10~50
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
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



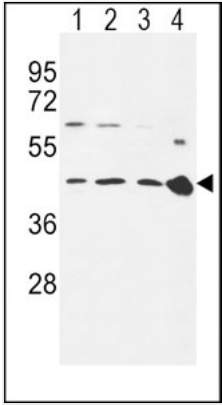
FCM (Flow Cytometry)
CCR7 Antibody (N-term) (AAA28701) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



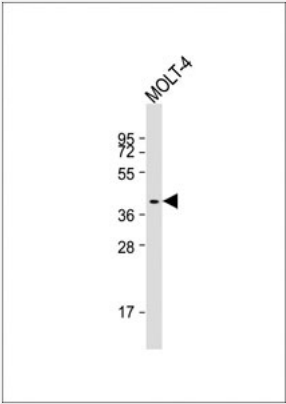
IF (Immunofluorescence)
Confocal immunofluorescent analysis of CCR7 Antibody (N-term) (AAA28701) with MDA-MB231 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



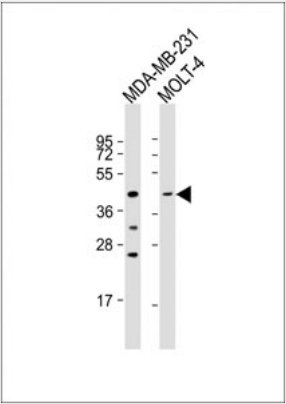
IHC (Immunohistochemistry)
CCR7 Antibody (N-term) (AAA28701) IHC analysis in formalin fixed and paraffin embedded human tonsil followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CCR7 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
CCR7 Antibody (N-term) (AAA28701) western blot analysis in 293 (lane 1), Ramos (lane 2), MDA-MB231 (lane 3) cell lysate and mouse spleen tissue (lane 4) lysates (35ug/lane). This demonstrates the CCR7 antibody detected the CCR7 protein (arrow).



WB (Western Blot)
Anti-CCR7 Antibody (N-term) at 1:500 dilution+ MOLT-4 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 43 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



WB (Western Blot)
All lanes : Anti-CCR7 Antibody (N-term) at 1:500-1:1000 dilution Lane 1: MDA-MB-231 whole cell lysate Lane 2: MOLT-4 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 43 kDa Blocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-CCR7 antibody	CCR7 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.
Product Categories/Family for anti-CCR7 antibody	Immunology; Signal Transduction; Phospho Antibodies
References	Sun, J., et al. Cell. Mol. Immunol. 7(1):77-82(2010) Wu, W.L., et al. Eur. J. Immunol. 39(12):3413-3422(2009) Marcenaro, E., et al. Blood 114(19):4108-4116(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502641
NCBI GeneID	1236
NCBI Accession #	NP_001829.1
NCBI GenBank Nucleotide #	NM_001838.3
UniProt Accession #	P32248
NCBI Official Full Name	C-C chemokine receptor type 7
NCBI Official Synonym Full Names	chemokine (C-C motif) receptor 7
NCBI Official Symbol	CCR7
NCBI Official Synonym Symbols	BLR2; EBI1; CCR-7; CD197; CDw197; CMKBR7; CC-CKR-7
NCBI Protein Information	C-C chemokine receptor type 7
UniProt Protein Name	C-C chemokine receptor type 7
UniProt Gene Name	CCR7
UniProt Synonym Gene Names	CMKBR7; EBI1; EVI1; C-C CKR-7; CC-CKR-7; CCR-7; EBI1; EBV-induced G-protein coupled receptor 1
UniProt Entry Name	CCR7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.