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# Datasheet for ABIN674724 anti-CCR7 antibody (AA 25-59)

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#### Overview

Quantity:	100 µL
Target:	CCR7
Binding Specificity:	AA 25-59
Reactivity:	Human, Mouse, Rat, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CCR7 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin- embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse CCR7
Isotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat, Sheep
Predicted Reactivity:	Dog
Purification:	Purified by Protein A.
Target Details	
Target:	CCR7

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Target Details	
Alternative Name:	CCR7/CD197 (CCR7 Products)
Background:	Synonyms: EBI1, CCR-7, CD197, Ebi1h, Cdw197, Cmkbr7, CC-CKR-7, C-C chemokine receptor
	type 7, C-C CKR-7, Epstein-Barr virus-induced G-protein coupled receptor 1, EBV-induced G-
	protein coupled receptor 1, MIP-3 beta receptor, Ccr7
	Background: CCR7 is a member of the G protein coupled receptor family (subfamily :
	chemokine). 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. CCR7 has been reported to be
	expressed in blood, bone marrow, lymph node, and intestine. It is particularly expressed in
	lymphoid tissues and in activated B and T lymphocytes and 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. ESTs have been isolated from blood, embryo, lymph node, and thymus libraries.
Gene ID:	12775
UniProt:	P47774
Pathways:	Regulation of Actin Filament Polymerization, Positive Regulation of Immune Effector Process
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL

0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Buffer:

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#### Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

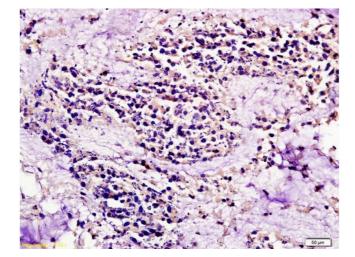
#### Publications

Product cited in:Li, Sun, Li, Gao, Yu, Zhao, Li, Zhao: "High Expression of CCR7 Predicts Lymph Node Metastasis<br/>and Good Prognosis in Triple Negative Breast Cancer." in: Cellular physiology and<br/>biochemistry : international journal of experimental cellular physiology, biochemistry, and<br/>pharmacology, Vol. 43, Issue 2, pp. 531-539, (2017) (PubMed).

Blomgran, Blomgran, Ernerudh, Aspenberg: "A possible link between loading, inflammation and healing: Immune cell populations during tendon healing in the rat." in: **Scientific reports**, Vol. 6, pp. 29824, (2016) (PubMed).

Ge, Li, Jiang, You, Liu, Zhong, Huang, Xing: "Integration of nondegradable polystyrene and degradable gelatin in a core-sheath nanofibrous patch for pelvic reconstruction." in: **International journal of nanomedicine**, Vol. 10, pp. 3193-201, (2015) (PubMed).

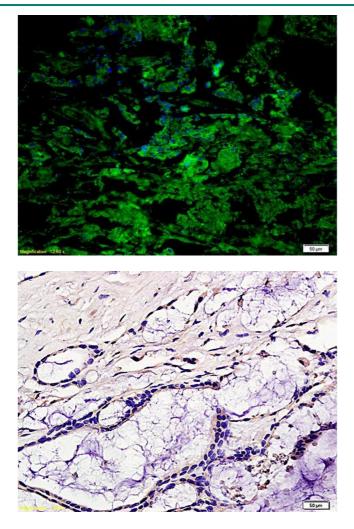
#### Images



#### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded human colon carcinoma labeled with Anti CCR7/CD197 Polyclonal Antibody, Unconjugated (ABIN674724) at 1:200 followed by conjugation to the secondary antibody and DAB staining

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#### Immunofluorescence

**Image 2.** Formalin-fixed and paraffin embedded human gastric carcinoma labeled with Anti CCR7/CD197 Polyclonal Antibody, Unconjugated (ABIN674724) at 1:200 followed by conjugation to the secondary antibody Goat Anti-Rabbit IgG, Cy5 conjugated used at 1:200 dilution

#### Immunohistochemistry

**Image 3.** Formalin-fixed and paraffin embedded human tubular adenoma labeled with Anti-CCR7 CD197 Polyclonal Antibody, unconjugated (ABIN674724) followed by incubation with conjugated secondary antibody and DAB staining

Please check the product details page for more images. Overall 6 images are available for ABIN674724.