

CELL APPLICATIONS, INC.

Published on *Cell Applications* (<https://www.cellapplications.com>)

[Home](#) > Anti-CCR7: Rabbit CCR7 Antibody

Anti-CCR7: Rabbit CCR7 Antibody

- Description
- Details
- Products
- Resources

Product Sheet CG1678

Description

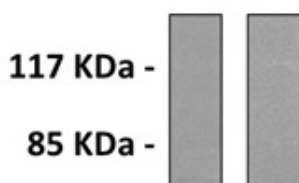
BACKGROUND family of chemoattractant molecules involved in the directed migration of immune cells. Over fifty human chemokines have been identified that can be categorised into four groups; CC, CXC, CX3C and C (XCL1 and XCL2); depending on the spacing of their first two cysteine residues. Chemokines exert their effects by binding to G-protein-coupled chemokine receptors on the surface of cells, predominantly leukocytes. Eighteen human chemokine receptors have been identified that are classified according to the class of chemokines that they bind.¹ The major function of chemokines is to regulate leukocyte trafficking in hematopoiesis and in innate and adaptive immunity. Other functions include angiogenic activity, apoptosis, T-cell differentiation and phagocyte activation. Inadvertent activation of chemokine receptors leads to autoimmunity by inappropriately targeting self antigens for destruction by cytotoxic T-cells and macrophages.²

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.³

REFERENCES

1. Zlotnik, A. & Yoshie, O.: *Immunity* 12:121-27, 2000
2. Locati, M.: *Ann. Rev. Med.* 50:425-40, 1999
3. Forster, R. et al: *Cell* 99:23-33, 1999

Products are for research use only. They are not intended for human, animal, or diagnostic applications.



[1]

(Click to Enlarge)

Top: Immunoblotting analysis of extracts from COS7 cells, using Anti-CCR7 antibody. The lane on the left was treated with the Anti-CCR7 antibody. The lane on the right (negative control) was treated with both Anti-CCR7 antibody and the synthesized immunogen peptide. **Bottom:** Immunofluorescence of A549 cells using Anti-CCR7 antibody. Cells on the left were treated with the Anti-CCR7 antibody. Cells on the right (negative control) were treated with both Anti-CCR7 antibody and the synthesized immunogen peptide.

Details

Cat.No.:	CG1678	
Antigen:	Synthesized peptide derived from human CCR7.	
Isotype:	Rabbit IgG	
Species & predicted species cross-reactivity ():	Human	
Applications & Suggested starting dilutions:*	WB	1:500-1:1000
	IP	n/d
	IHC	n/d
	ICC	n/d
	FACS	n/d
	IF	1:100-1:500
Predicted Molecular Weight of protein:	42 kDa	
Specificity/Sensitivity:	Detects endogenous CCR7 proteins without cross-reactivity with other family members.	
Storage:	Store at -20°C, 4°C for frequent use. Avoid repeated freeze-thaw cycles.	

*Optimal working dilutions must be determined by end user.

Products

Resources/Documents

[Product Sheet CG1678](#) [2]

Misc. Links

- [Site](#)
- [Privacy](#)
- [Returns](#)
- [Shipping](#)

-
-
-

[Terms](#)
[Disclaimer](#)
[Distributors](#)

Contact Us

Cell Applications, Inc
6455 Weathers Place
San Diego, CA 92121
Open M-F, 8am-5pm PST

800-645-0848
info@cellapplications.com

Socialize With Us

-

Newsletter Signup

[Subscribe to our newsletter](#)

Source URL:<https://www.cellapplications.com/anti-ccr7-rabbit-ccr7-antibody>

Links

[1] https://www.cellapplications.com/sites/default/files/images_product_type/Slide1_5.jpg

[2] <https://www.cellapplications.com/sites/default/files/documents/product-sheets/Product Sheet CG1678 CCR7.pdf>