

ARG58043 anti-CD197 / CCR7 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD197 / CCR7
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD197 / CCR7
Species	Human
Immunogen	Synthetic peptide derived from Human CD197 / CCR7.
Conjugation	Un-conjugated
Alternate Names	C-C chemokine receptor type 7; CD197; CD antigen CD197; CCR-7; CC-CCR-7; BLR2; CMKBR7; C-C CCR-7; MIP-3 beta receptor; EBV-induced G-protein coupled receptor 1; EBI1; Epstein-Barr virus-induced G-protein coupled receptor 1; CDw197

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	IP	1:50
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Daudi and MCF-7	
Observed Size	~ 42 kDa	

Properties

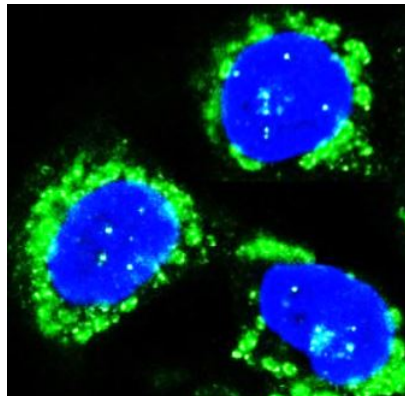
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

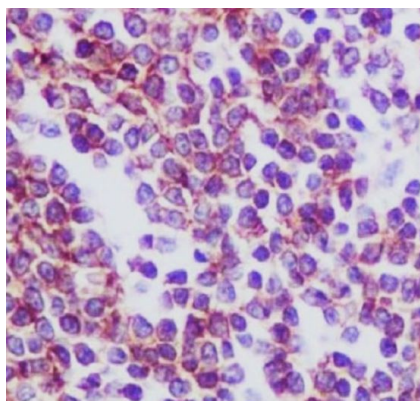
Gene Symbol	CCR7
Gene Full Name	chemokine (C-C motif) receptor 7
Background	The protein encoded by this gene is a member of the G protein-coupled receptor family. This receptor was identified as a gene induced by the Epstein-Barr virus (EBV), and is thought to be a mediator of EBV effects on B lymphocytes. 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. [provided by RefSeq, Sep 2014]
Function	Receptor for the MIP-3-beta chemokine. Probable mediator of EBV effects on B-lymphocytes or of normal lymphocyte functions. [UniProt]
Calculated Mw	43 kDa
Cellular Localization	Cell membrane > Multi-pass membrane protein. [UniProt]

Images



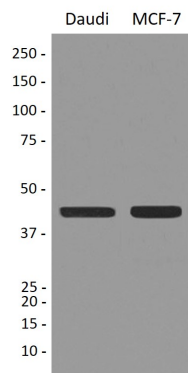
ARG58043 anti-CD197 / CCR7 antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG58043 anti-CD197 / CCR7 antibody (green). DAPI (blue) nuclear stain.



ARG58043 anti-CD197 / CCR7 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human spleen tissue stained with ARG58043 anti-CD197 / CCR7 antibody.



ARG58043 anti-CD197 / CCR7 antibody WB image

Western blot: Daudi and MCF-7 cell lysates stained with ARG58043 anti-CD197 / CCR7 antibody.