



## Product datasheet

# Anti-CCR9 antibody [7E7] ab52590

[1 References](#) [2 Images](#)

### Overview

Product name	Anti-CCR9 antibody [7E7]
Description	Rat monoclonal [7E7] to CCR9
Host species	Rat
Tested applications	<b>Suitable for:</b> ICC/IF, Flow Cyt
Species reactivity	<b>Reacts with:</b> Mouse, Human
Immunogen	Synthetic peptide: PTDFTSPIPNMADDYGSEST , corresponding to N terminal amino acids 3-22 of Mouse CCR9  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>

General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>
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### Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.1% Sodium azide Constituent: 5% Fetal calf serum
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	7E7
Myeloma	P3x63-Ag8.653
Isotype	IgG2b

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab52590 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/20.
Flow Cyt		1/20. <b>ab18536</b> - Rat monoclonal IgG2b, is suitable for use as an isotype control with this antibody.

## Target

### Function

Receptor for chemokine SCYA25/TECK. Subsequently transduces a signal by increasing the intracellular calcium ions level. Alternative coreceptor with CD4 for HIV-1 infection.

### Tissue specificity

Highly expressed in the thymus and low in lymph nodes and spleen.

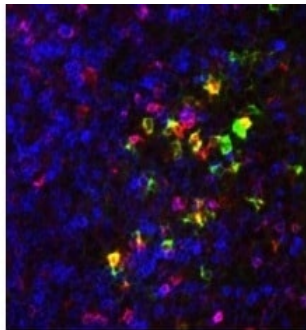
### Sequence similarities

Belongs to the G-protein coupled receptor 1 family.

### Cellular localization

Cell membrane.

## Images



Medulla of a mesenteric lymph node of mouse:  
Blue: CD3  
Green: IgA  
Red: CCR9

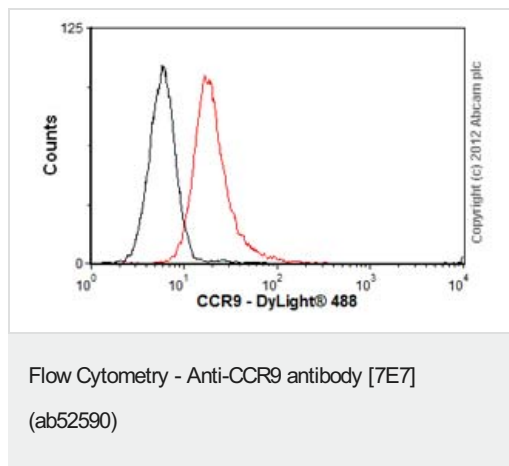
ab52590 staining CCR9 in Mouse brain tissue sections by Immunocytochemistry/ Immunofluorescence.

Red = CCR9

Green = IgA

Blue = CD3

Immunocytochemistry/ Immunofluorescence - Anti-CCR9 antibody [7E7] (ab52590)



Overlay histogram showing K562 cells stained with ab52590 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab52590, 1/50 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rat IgG (H+L) (**ab98386**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rat IgG2b [RTK4530] (2µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >5,000 events was performed.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Extensive multi-media technical resources to help you
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