

Product datasheet

Anti-CD209 antibody [ER-TR9] ab37220

★★★★★ [2 Abreviews](#) [4 References](#) [1 Image](#)

Overview

Product name	Anti-CD209 antibody [ER-TR9]
Description	Rat monoclonal [ER-TR9] to CD209
Host species	Rat
Tested applications	Suitable for: Flow Cyt, IHC-Fr, Blocking
Species reactivity	Reacts with: Mouse
Immunogen	Tissue, cells or virus corresponding to CD209. Mouse thymic stromal cells
Positive control	Peritoneal macrophages
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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	ER-TR9
Isotype	IgM

Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab37220 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
Flow Cyt		Use 2µg for 10 ⁶ cells. ab35768 - Rat monoclonal IgM, is suitable for use as an isotype control with this antibody.
IHC-Fr	★★★★★ (2)	Use at an assay dependent concentration.
Blocking		Use at an assay dependent concentration. Dilutions have to be made according to the amounts of SIGN-R1 to be inactivated.

Target

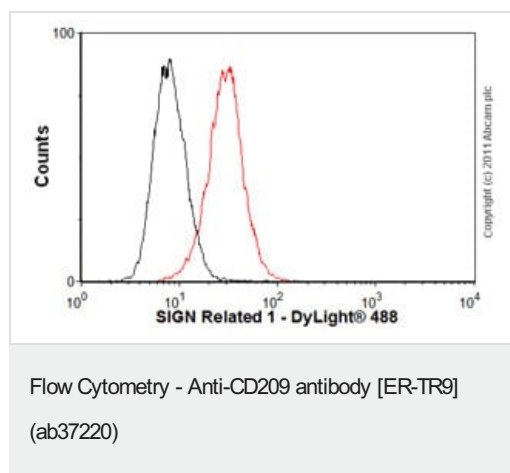
Relevance

SIGN R1 is a specific marker for the identification of macrophage subpopulations present in the marginal zone of spleen (the so-called marginal zone macrophages (MZM)), in the lymph node medulla, and in some strains, in the peritoneal cavity. MZM of the spleen are involved in the clearance of polysaccharides. Mouse SIGN R1 is a C type lectin, like DC SIGN which is expressed on Human dendritic cells (DCs). However, Mmouse SIGN R1 itself is not expressed on DCs. SIGN R1 exists in an aggregated form, resistant to dissociation into monomers upon boiling in SDS under reducing conditions. SIGN R1 mediates the uptake of encapsulated organisms and may be an important mediator for the uptake of microbes in both spleen and lymph node, particularly through the recognition of microbial polysaccharides.

Cellular localization

Single-pass type II membrane protein

Images



Overlay histogram showing SP0/2 cells stained with ab37220 (red line). The cells were fixed with 4% paraformaldehyde (10min) and incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab37220, 2µg/1x10⁶ cells) 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 IgM, kappa monoclonal [RTK2118] (**ab35768**, 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in SP0/2 cells fixed with 80% methanol (5 min) used under the same conditions. Please note that Abcam do not have any data for use of this antibody on non-fixed cells. We welcome any customer feedback.

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

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