

Datasheet for ABIN111861  
**anti-CD209b Antigen (CD209B) antibody**[Go to Product page](#)[1 Image](#)[1 Publication](#)

## Overview

Quantity:	0.15 mg
Target:	CD209b Antigen (CD209B)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	Un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	Thymus cells. Remarks: The antigen is a Glutaraldehyde (0.05%) resistant protein expressed in the cytoplasm and on the cell surface.
Clone:	ER-TR9
Isotype:	IgM
Specificity:	ER-TR9 antibody is a very useful marker for the identification of macrophage subpopulations present in the splenic marginal zone, lymph node medulla and other organs. In combination with MOMA-1 (Cat-Nr SM066P), the murine metallophilic macrophage marker, a detailed characterization of murine splenic marginal zone macrophages is obtained. ER-TR9 is also useful when studying phagocytosis of neutral polysaccharides since the antibody selectively inhibits uptake of these glycans by macrophages. The antigen recognized by ER-TR9 has recently been shown to be the Murine analogue of the Human DC-SIGN (Dendritic Cell - Specific ICAM-3 Grabbing Non Integrin), named SIGN-R1. Antigen Distribution Antigen Distribution on Isolated cells: The antigen is found on a subpopulation of phagocytic macrophages isolated

## Product Details

from the spleen and showing acid phosphatase and moderate non-specific esterase activity. These phagocytes selectively ingest neutral polysaccharides such as Ficoll. Antigen Distribution on Tissue Sections: Subpopulation of resident macrophages in the splenic marginal zone which are in the proximity of a certain B cell subpopulation ( $\mu+$ , d-). It is also found on a subpopulation of macrophages localized in the medullary sinuses and trabecular sinuses of lymph nodes. Furthermore, macrophage subpopulations in other organs, such as some connective tissue macrophages in the dermis, may also show ER-TR9 antigen expression. This antibody is specific for a Mouse subpopulation of mature tissue macrophages present in the splenic marginal zone, lymph node medullary and trabecular sinuses.

Cross-Reactivity (Details):	Species reactivity (tested): Mouse: Subpopulation of mature tissue macrophages present in the splenic marginal zone, lymph node medullary and trabecular sinuses.
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Purification:	Affinity Chromatography
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## Target Details

Target:	CD209b Antigen (CD209B)
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Alternative Name:	CD209b / DC-SIGNR1 ( <a href="#">CD209B Products</a> )
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Background:	Synonyms: CD209 antigen-like protein B, DC-SIGN-related protein 1, OtB7
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Gene ID:	69165
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NCBI Accession:	<a href="#">NP_001032889</a>
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UniProt:	<a href="#">Q8CJ91</a>
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## Application Details

Application Notes:	Immunohistochemistry on Frozen Sections: 0.5 $\mu$ g/mL (1/600). Does not react on routinely processed Paraffin sections. Recommended Positive Control: Mouse spleen. Has been described to work in FACS. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
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Restrictions:	For Research Use only
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## Handling

Reconstitution:	Restore with 0.5 mL distilled water.
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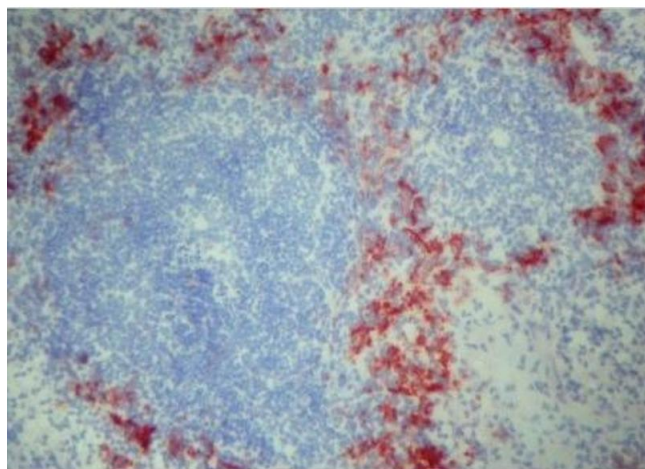
## Handling

Concentration:	0.3 mg/mL
Buffer:	Stock solution contains PBS, pH 7.2 with 0.1 % Kathon as a preservative
Preservative:	Kathon CG
Precaution of Use:	This product contains Kathon CG a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C

## Publications

Product cited in:	<p>Mortezai, Harder, Schnabel, Moors, Gauly, Schlüter, Wagener, Buck: "Tandem affinity depletion: a combination of affinity fractionation and immunoaffinity depletion allows the detection of low-abundance components in the complex proteomes of body fluids." in: <b>Journal of proteome research</b>, Vol. 9, Issue 12, pp. 6126-34, (2010) (<a href="#">PubMed</a>).</p> <p>Rosenberger, Thorey, Werner, Boukamp: "A novel regulator of telomerase. S100A8 mediates differentiation-dependent and calcium-induced inhibition of telomerase activity in the human epidermal keratinocyte line HaCaT." in: <b>The Journal of biological chemistry</b>, Vol. 282, Issue 9, pp. 6126-35, (2007) (<a href="#">PubMed</a>).</p>
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## Images



### Immunohistochemistry

**Image 1.** Immunohistochemistry using SIGN-R1 antibody ABIN111861.