



## Anti-CD209A monoclonal antibody, clone ER-TR9 (CABT-47792RM)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

#### Product Overview

Rat anti Mouse Sign-R1 antibody, clone ER-TR9 recognizes mouse SIGN-R1, a C-type lectin that has been identified as a murine homologue of the human DC-SIGN related molecule, L-SIGN. Mouse SIGN-R1 is specifically expressed on marginal zone macrophages in the spleen, medullary and subcapsular sinus macrophages in the lymph nodes, and at lower levels on liver sinusoidal endothelial cells. SIGN-R1 has not been detected on murine dendritic cell populations. Like many C-type lectins, SIGN-R1 functions as a pathogen recognition receptor *in vivo* and plays an important role in defence against pathogens. Antibodies, produced by clone ER-TR9, are reported to block the uptake of neutral polysaccharides by macrophages. Flow Cytometry Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul.

Specificity	CD209A
Immunogen	Isolated C3H thymic stromal cells.
Isotype	IgM
Source/Host	Rat
Species Reactivity	Mouse
Clone	ER-TR9
Conjugate	Unconjugated
Applications	IHC-Fr; FC
Format	Purified IgM - liquid
Size	500 µg
Preservative	None

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<b>Storage</b>	Store at -20°C. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.
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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Cd209a CD209a antigen [ <i>Mus musculus</i> (house mouse) ]</a>
<b>Official Symbol</b>	CD209A
<b>Synonyms</b>	CD209A; CD209a antigen; CIRE; CD209; CDSIGN; Dcsign; SIGNR5; DC-SIGN; SIGN-R1; DC-SIGN1; CD209 antigen-like protein A; dendritic cell-specific ICAM-3-grabbing non-integrin;
<b>Entrez Gene ID</b>	<a href="#">170786</a>
<b>Protein Refseq</b>	<a href="#">NP_573501</a>
<b>UniProt ID</b>	Q91ZX1
<b>Chromosome Location</b>	8; 8 A1.1
<b>Pathway</b>	Measles; Phagosome; Tuberculosis;
<b>Function</b>	calcium-dependent protein binding; carbohydrate binding; mannose binding; metal ion binding;

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