



# 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 106 cells in 100ul.

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

**Storage**

Store at -20°C. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

## GENE INFORMATION

Gene Name	<a href="#">Cd209a CD209a antigen [ Mus musculus (house mouse) ]</a>
Official Symbol	CD209A
Synonyms	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;
Entrez Gene ID	<a href="#">170786</a>
Protein Refseq	<a href="#">NP_573501</a>
UniProt ID	Q91ZX1
Chromosome Location	8; 8 A1.1
Pathway	Measles; Phagosome; Tuberculosis;
Function	calcium-dependent protein binding; carbohydrate binding; mannose binding; metal ion binding;