

Datasheet for ABIN2191829
anti-CD209a Antigen antibody

5 Publications

[Go to Product page](#)

Overview

Quantity:	1 mL
Target:	CD209a Antigen (CD209A)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Application:	Flow Cytometry (FACS), Functional Studies (Func), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Clone:	ER-TR9
Endotoxin Level:	Low endotoxin level

Target Details

Target:	CD209a Antigen (CD209A)
Alternative Name:	Sign-r1 (CD209A Products)
Background:	<p>The monoclonal antibody ER-TR9 recognizes murine SIGN-related 1 (SIGN-R1). Mouse SIGN-R1, a homolog of human DC-SIGN, is a 37 kDa type II transmembrane protein containing a single, C- terminal C-type lectin domain. 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 the peritoneal cavity of some mouse strains. ER-TR9 does not react with macrophages in other regions of the spleen, such as CD169+ marginal metallophils and F4/80+ red pulp macrophages. In the spleen, the MZM</p>

Target Details

function in trapping and clearance of blood- borne microbial antigens. SIGN-R1 mediates the uptake of encapsulated microbes , particularly through the recognition of microbial polysaccharides. Uptake of FITC-labeled dextran by macrophages can be blocked both in vivo and in vitro by the monoclonal antibody ER-TR9. Therefore, the monoclonal antibody ER-TR9 can be used to study the uptake of polysaccharides by macrophages. Aliases CD209b, specific intracellular adhesion molecule-3 grabbing nonintegrin homolog-related 1 Immunogen Mouse thymic stromal cells

Application Details

Application Notes: For immunohistochemistry and flow cytometry, dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50. For functional studies, in vitro dilutions have to be optimized in user's experimental setting. 1

Restrictions: For Research Use only

Handling

Buffer: 1 mL(> 200 µg/mL) culture medium with a low endotoxin level containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: Product should be stored at 4 °C. Under recommended storage conditions, product is stable for at least one year. The exact expiry date is indicated on the label.

Publications

Product cited in: Nogee, Dunbar, Wert, Askin, Hamvas, Whitsett: "A mutation in the surfactant protein C gene associated with familial interstitial lung disease." in: **The New England journal of medicine**, Vol. 344, Issue 8, pp. 573-9, (2001) ([PubMed](#)).

Ross, Ikegami, Steinhilber, Jobe: "Surfactant protein C in fetal and ventilated preterm rabbit lungs." in: **The American journal of physiology**, Vol. 277, Issue 6 Pt 1, pp. L1104-8, (2000) ([PubMed](#)).

Nogee, Wert, Proffit, Hull, Whitsett: "Allelic heterogeneity in hereditary surfactant protein B (SP-B) deficiency." in: **American journal of respiratory and critical care medicine**, Vol. 161, Issue 3 Pt 1, pp. 973-81, (2000) ([PubMed](#)).