

Rat CD169 Monoclonal Antibody | anti-CD169 antibody

RAT ANTI MOUSE CD169:FITC

CATALOG # AAA49721	HOST Rat	APPLICATIONS Immunofluorescence, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD169; Monoclonal Antibody; RAT ANTI MOUSE CD169:FITC; anti-CD169 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	MOMA-1
Form/Format	FITC Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	IgG concentration 0.1 mg/ml (varies by lot)
Sequence Length	1701
Applicable Applications for anti-CD169 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin Preparation
Buffer Solution	Phosphate buffered saline
Target Species	Mouse
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data

Published customer image: Intrafollicular location of 56R and AM14 HC Tg MZB cells. Representative spleen sections of B6.Sle2.56R and B6.56R (A, 100X) and B6.TC.AM14.IgHa/b and B6.AM14.IgHa/b (B, 200X) mice stained with Moma-1-FITC, CD1d-PE, and IgMa-biotin-SA-PB. C. Quantitation in pixels corresponding to the stain combination specific for each cell type of CD1d+ IgMa cells in the MZ (pink) and corresponding FO (blue) B cell areas in B6.Sle2.56R, B6.56R, B6.TC.AM14.IgHa/b and B6.AM14.IgHa/b mice. Paired MZ and FO values within a strain were compared with the Wilcoxon signed ranked test, and the B6.TC.AM14.IgHa/b and B6.AM14.IgHa/b MZ values were compared with the Mann-Whitney test. CD21hi CD23hi representing the T2 and MZB precursor cells expressed as the percentage of transgenic IgMa cells (D), and percentage of CD21hi CD23lo MZ B cells expressed as the percentage of transgenic IgMa cells (E) and their absolute numbers (F) in B6.Sle2.56R and B6.56R and B6.TC.AM14.IgHa/b and B6.AM14.IgHa/b mice. Graphs show means and SEMs, and the statistical significance of Student t tests. *: p < 0.05, **: p < 0.01, ***: p < 0.001.From: Zhou et al. BMC Immunology 2011 12:7.



Application Data

Immunofluorescence staining of mouse spleen with Rat anti Mouse CD169



Application Data

Published customer image: Intrafollicular location of MZB cells in B6.TC spleens. A. Representative spleen sections from 3 mo old B6.TC (left) and B6 (right) mice stained with Moma-1-FITC, CD1d-PE and B220-PB. The B220+ CD1d+ MZB cells show as bright pink while the other B cells show as blue. The ring of Moma-1+ metallophillic macrophages delineates the MZ inner edge. B. Percentage of CD1d+ B220+ B cells relative to total B220+ B cells outside (MZ) and inside (FO) the Moma-1+ ring in 3 mo and 10 mo old B6 and B6.TC mice. The data show means and standard errors of the mean (SEM) calculated of 4 MZ and FO areas for each mouse. ***: p < 0.001 for t tests. C. Representative spleen sections from 10 mo old B6.TC (left) and B6 (right) mice stained with CD4-FITC, CD1d-PE and B220-PB. Boxed areas show multiple contacts between green B6.TC CD4 T cells and pink MZB cells, but not in the B6 spleen. Original magnification: 200X.From: Zhou et al. BMC Immunology 2011 12:7.

ADDITIONAL INFORMATION

Related Product Information for anti-CD169 antibody	Rat anti Mouse CD169, clone MOMA-1 recognizes murine CD169, also known as sialoadhesin or Siglec-1. CD169 is a lectin-like receptor expressed by certain populations of macrophages including marginal zone metallophilis of the spleen, subcapsular macrophages of lymph nodes and stromal macrophages in bone marrow (Morris et al. 1991). CD169 is a ~185kDa sialic acid binding receptor containing 17 immunoglobulin-like domains (Crocker et al. 1992). Expression of CD169 can be induced on macrophages in culture by a serum factor and further modulated by cytokine exposure (McWilliam et al. 1992). Rat anti mouse CD169, clone MOMA-1 has been used for the in vivo depletion of specific macrophage populations (Kraal et al. 1988).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	226958332
NCBI GeneID	20612
NCBI Accession #	NP_035556.3
NCBI GenBank Nucleotide #	NM_011426.3
UniProt Accession #	Q62230; O55216; Q62228; Q62229; D3YVZ3; D3YVZ4
Molecular Weight	172,769 Da
NCBI Official Full Name	sialoadhesin

NCBI Official Synonym Full Names	sialic acid binding Ig-like lectin 1, sialoadhesin
NCBI Official Symbol	Siglec1
NCBI Official Synonym Symbols	Sn; Cd169; Siglec-1
NCBI Protein Information	sialoadhesin; SER; sheep erythrocyte receptor; sialic acid-binding Ig-like lectin 1
UniProt Protein Name	Sialoadhesin
UniProt Gene Name	Siglec1
UniProt Synonym Gene Names	Sa; Sn; SER; Siglec-1
UniProt Entry Name	SN_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd169-antibody-clone-moma-1-immunofluorescence-flow-cytometry-elisa/49721>