

CD169 recombinant antibody

Anti-CD169 [SER-4 (recombinant version)], Rat IgG2a, kappa

CATALOG # AAA72427	HOST Rat	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

CD169; Monoclonal Recombinant Antibody; Anti-CD169 [SER-4 (recombinant version)]; Rat IgG2a; kappa; Sialoadhesin; Sheep erythrocyte receptor; SER; Sialic acid-binding Ig-like lectin 1; Siglec-1; CD169 recombinant antibody

PRODUCT SPECIFICATIONS

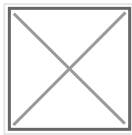
Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rat IgG2a kappa
Clone Number	SER-4 (recombinant version)
Specificity	This antibody specifically recognize mouse CD169, which is a 180-185-kDa member of the Siglec family of macrophage-specific cell adhesion and endocytic receptors interacting with sialylated glycans. This receptor is expressed on a subset of macrophages that are found with high frequency in the spleen, liver, lymph node, and bone marrow. CD169 can also be detected on monocytes in the bone marrow and periphery.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for CD169 recombinant antibody	IHC (Immunohistochemistry)
Chimeric Use Statement	This constant region of this antibody has been modified to bind to Protein A, allowing highly-specific purification of this antibody by Protein A-affinity column.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of RAW264.7 cells with anti-CD169 (AAA72427) SER-4 (recombinant version). Immunofluorescence analysis of paraformaldehyde fixed RAW264.7 cells stained with the chimeric rabbit IgG version of SER-4 (recombinant version) (AAA72427) at 10 ug/ml for 1 h followed by Alexa Fluor 488 secondary antibody (2 ug/ml), showing membranous staining. The nuclear stain is DAPI (blue). Panel shows from left-right, top-bottom AAA72427, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

FCM/FACS (Flow Cytometry)
Flow cytometry using the chimeric rabbit IgG version of SER-4 (recombinant version) (AAA72427) at 10 ug/ml for 1 h followed by Alexa Fluor 488 secondary antibody (2 ug/ml), showing membranous staining. The nuclear stain is DAPI (blue). Panel shows from left-right, top-bottom AAA72427, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



IF (Immunofluorescence)

Immunofluorescence staining of RAW264.7 cells with anti-CD169 (AAA72427) SER-4 (recombinant version). Immunofluorescence analysis of paraformaldehyde fixed RAW264.7 cells stained with the chimeric rabbit IgG version of SER-4 (recombinant version) (AAA72427) at 10 µg/ml for 1 h followed by Alexa Fluor 488 secondary antibody (2 µg/ml), showing membranous staining. The nucleus stains DAPI (blue). Panels show from left-right, top-bottom AAA72427, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for CD169 recombinant antibody	Spleen cells from AO rats immunised with thioglycollate-elicited murine peritoneal macrophages (TPM) that had been cultured in mouse serum to induce sheep erythrocyte receptor (SER).
References	Crocker PR, Gordon S. Mouse macrophage hemagglutinin (sheep erythrocyte receptor) with specificity for sialylated glycoconjugates characterized by a monoclonal antibody. J Exp Med. 1989 Apr 1;169(4):1333-46. N/A2926328 Note on publication: Describes the making of SER-4 monoclonal antibody and characterizes the molecular nature and distribution on macrophage of SER with mAb SER-4 - inc data on IHC-Fr, IP and WB assays.

NCBI AND UNIPROT INFORMATION

NCBI GI #	347595712
NCBI GeneID	20612
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-recombinant-antibody-clone-ser-4-recombinant-version-immunohistochemistry-elisa/72427>