

CD204 recombinant antibody

Anti-CD204 [2F8 (recombinant version)], Rabbit IgG, kappa

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72428	Rabbit	Mouse	Immunohistochemistry, Western Blot, Immunoprecipitation

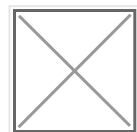
PRODUCT SYNONYMS

CD204; Monoclonal Recombinant Antibody; Anti-CD204 [2F8 (recombinant version)]; Rabbit IgG; kappa; Macrophage scavenger receptor; Murine scavenger receptor class A; Macrophage scavenger receptor types I and II; Macrophage acetylated LDL receptor I and II; Scavenger receptor type A; SR-A; CD204 recombinant antibody

PRODUCT SPECIFICATIONS

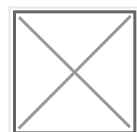
Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG kappa
Clone Number	2F8 (recombinant version)
Specificity	This antibody specifically recognizes CD204, also known as the the murine scavenger receptor class A (SRA), type I and II. which is expressed by tissue macrophages and functions both as an endocytic receptor for lipoproteins and as an adhesion receptor for macrophages binding to ligand rich tissues e.g. atherosclerotic lesions.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for CD204 recombinant antibody	IHC (Immunohistochemistry), WB (Western Blot), IP (Immunoprecipitation)
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original rat IgG2b format, for improved compatibility with existing reagents, assays and techniques.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



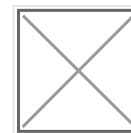
WB (Western Blot)

Western Blot using anti-CD204 antibody 2F8 (recombinant version) (AAA72428). RAW264.7 cell lysate (35 µg protein in RIPA buffer) were resolved on a 4-20% SDS-PAGE gel and blots were probed with the chimeric rabbit version of anti-CD204 antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.



FCM/FACS (Flow Cytometry)

Flow cytometry using the anti-CD204 antibody 2F8 (recombinant version) (AAA72428). Paraformaldehyde fixed RAW264.7 cells permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody or the rabbit IgG version of 2F8 (recombinant version) (AAA72428, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG Alexa Fluor 488.



IF (Immunofluorescence)

Immunofluorescence staining of RAW264.7 cells with anti-CD204 (AAA72428) 2F8 (recombinant version). Immunofluorescence analysis of paraformaldehyde fixed RAW264.7 cells stained with the chimeric rabbit IgG version of 2F8 (recombinant version) (AAA72428) at 10 µg/ml. Right, top-bottom AAA72428, 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 CD204 recombinant antibody	Rats immunised with Raw 264 cell line.
References	Fraser I, Hughes D, Gordon S. Divalent cation-independent macrophage adhesion inhibited by monoclonal antibody to murine scavenger receptor. This antibody has been shown to be endocytic. Nature. 1993 Jul 22;364(6435):343-6. N/A8332192 Note on publication: Describes the making of 2F8 monoclonal antibody and used for characterization of macrophage adhesion.

NCBI AND UNIPROT INFORMATION

NCBI GI #	85861254
NCBI GeneID	20288
NCBI Accession #	NP_112472.2
NCBI GenBank Nucleotide #	NM_031195.2
UniProt Accession #	P30204; Q923G0; Q9QZ56; E9QNQ5
Molecular Weight	38,773 Da
NCBI Official Full Name	macrophage scavenger receptor types I and II isoform a
NCBI Official Synonym Full Names	macrophage scavenger receptor 1
NCBI Official Symbol	Msr1
NCBI Official Synonym Symbols	MSR; Scvr; MRS-A; MSR-A; SR-AI; SR-AII; Scara1
NCBI Protein Information	macrophage scavenger receptor types I and II
UniProt Protein Name	Macrophage scavenger receptor types I and II
UniProt Gene Name	Msr1
UniProt Synonym Gene Names	Scvr; SR-A
UniProt Entry Name	MSRE_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd204-recombinant-antibody-clone-2f8-recombinant-version-immunohistochemistry-western-blot-immunoprecipitation-elisa/72428>