CD204 recombinant antibody

Anti-CD204 [2F8 (recombinant version)], Rat IgG2b, kappa

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72429	**Rat**	**Mouse**	**Immunohistochemistry, Western Blot, Immunoprecipitation**

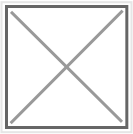
PRODUCT SYNONYMS

CD204; Monoclonal Recombinant Antibody; Anti-CD204 [2F8 (recombinant version)]; Rat IgG2b; 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	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rat IgG2b 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 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



WB (Western Blot)
Western Blotusinganti-CD204antibody2F8(recombinantversion)(AAA72429). RAW264.7celllysateof(35ugproteininRIPAbuffer)wereresolvedonaSDSPAGEgelandblotswereprobedwiththechimericrabbitversio
rabbitsecondaryantibody.Aprimaryincubationof1hwasusedandproteinwasdetectedbychemiluminescence.

FCM/FACS (Flow Cytometry)
FlowcytometryusingtheAnti-CD204antibody2F8(recombinantversion)(AAA72429). ParaformaldehydefixedRAW264.7cellspermeabilizedwith0.5%Tritonwerestainedwithanti-
unknownspecificityantibodyortherabbitIgGversionof2F8(recombinantversion)(AAA72429,blueline)atadilutionof1:100for1hatRT.Afterwashing,theboundantibodywasdetectedusingagoatanti-rabbitIgGAlexaFluo

IF (Immunofluorescence)
ImmunofluorescencestainingofRAW264.7cellswithanti-CD204(AAA72429)2F8(recombinantversion) ImmunofluorescenceanalysisofparaformaldehydefixedRAW264.7cellsstainedwiththechimericrabbitIgGversionof2F8(recombinantversion)(AAA72429)at10ug/mlf right,top-bottomAAA72429,DAPI,mergedchannelsandanisotypecontrol.TheisotypecontrolwasanunknownspecificityantibodyfollowedbystainingwithAlexaFluor488secondaryantibody.

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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/cd204-recombinant-antibody-clone-2f8-recombinant-version-immunohistochemistry-western-blot-immunoprecipitation-elisa/72429