

Datasheet for ABIN181780

anti-Macrophage Scavenger Receptor 1 antibody



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1 Image

Overview

Quantity:	0.25 mg
Target:	Macrophage Scavenger Receptor 1 (MSR1)
Reactivity:	Mouse, Pig
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This Macrophage Scavenger Receptor 1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunoprecipitation (IP), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Raw 264 cell line. Remarks: Spleen cells from immunised AO rats were fused with cells of the Y3 rat myeloma cell line.
Clone:	2F8
Isotype:	IgG2b
Specificity:	This antibody recognizes the Murine scavenger receptor class A (SRA), type I and II, also known as CD204. Clone 2F8 inhibits the uptake of acetylated low-density lipoproteins and also inhibits divalent cation independent adhesion. We recommend the use of SM029LE for this purpose. Recent research shows that clone 2F8 recognizes an epitope within SRA that is polymorphic in the SRA from C57BL/6 mice. Clone 2F8 is therefore unsuitable for use with the C57BL/6 Mouse strain.
Purification:	Affinity Chromatography on Protein G

Target Details

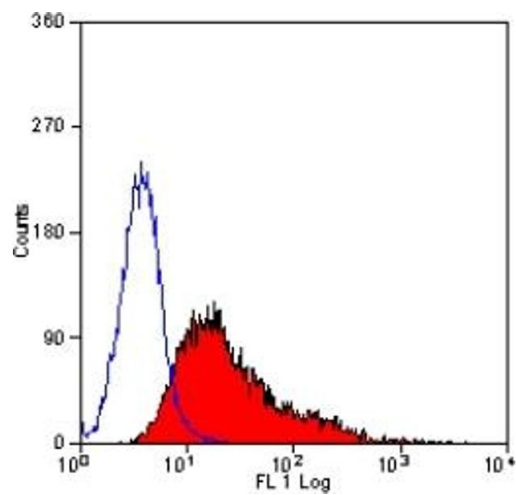
Target:	Macrophage Scavenger Receptor 1 (MSR1)
Alternative Name:	CD204 (MSR1 Products)
Background:	CD204 is expressed by tissue macrophages and functions both as an endocytic receptor for lipoproteins and as an adhesion receptor for macrophages binding to ligand rich tissues e.g. atherosclerotic lesions.Synonyms: MSR1, Macrophage acetylated LDL receptor I and II, Macrophage scavenger receptor types I and II, SCARA1, Scavenger receptor class A member 1
Gene ID:	20288
NCBI Accession:	NP_001106797
UniProt:	P30204

Application Details

Application Notes:	ELISA. Western Blot. Immunoprecipitation. Immunohistochemistry on frozen sections. Flow Cytometry: 1/50 - 1/100, Use 10 µL of the suggested working dilution to label 10 ⁶ cells in 100 µL. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	PBS, pH 7.4, 0.09 % 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Flow Cytometry

Image 1. Staining of J774 cell line with RAT ANTI MOUSE CD204 (ABIN181780).