

Product datasheet for **SM029B**

Msr1 Rat Monoclonal Antibody [Clone ID: 2F8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2F8
Applications:	FC
Recommended Dilution:	Flow cytometry: Use 10 µl of neat antibody to label 10e6 cells in 100 µl. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	RAW264 cell line. Spleen cells from immunised AO rats were fused with cells of the Y3 rat myeloma cell line.
Specificity:	This antibody recognises the murine Scavenger Receptor Class A (SRA), type I and II, also known as CD204.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer Label: Biotin State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Biotin
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	macrophage scavenger receptor 1
Database Link:	Entrez Gene 20288 Mouse P30204



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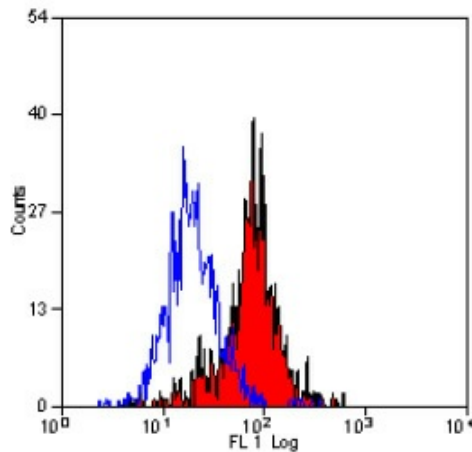
Background:

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. Clone 2F8 inhibits the uptake of acetylated low-density lipoproteins and also inhibits divalent cation independent adhesion.

Recent research shows that clone 2F8 recognises 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.

Synonyms:

MSR1, SCARA1

Product images:

Staining of mouse peritoneal macrophages with
RAT ANTI MOUSE CD204: BIOTIN.