

Product datasheet for **SM029R**

Msr1 Rat Monoclonal Antibody [Clone ID: 2F8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2F8
Applications:	FC
Recommended Dilution:	Flow cytometry: 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:	<p>This antibody recognises the murine scavenger receptor class A (SRA), type I and II, also known as CD204.</p> <p>Clone 2F8 inhibits the uptake of acetylated low-density lipoproteins and also inhibits divalent cation independent adhesion.</p> <p>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.</p>
Formulation:	<p>PBS, pH 7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin</p> <p>Label: PE</p> <p>State: Lyophilized purified IgG</p> <p>Label: R. Phycoerythrin (RPE)</p>
Reconstitution Method:	Restore with 1 ml distilled water.
Purification:	Affinity chromatography on Protein G
Conjugation:	PE
Storage:	<p>Prior to and following reconstitution store the antibody at 2-8°C.</p> <p>DO NOT FREEZE!</p>
Stability:	Shelf life: one year from despatch



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Gene Name:	macrophage scavenger receptor 1
Database Link:	Entrez Gene 20288 Mouse P30204
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, SCARA1