

## Product datasheet for **SM029FS**

### Msr1 Rat Monoclonal Antibody [Clone ID: 2F8]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	2F8
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> Use 10 µl of neat antibody to label 10e6 cells in 100 µl. Use The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors.
Reactivity:	Mouse, Porcine
Host:	Rat
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	RAW264 cell line.
Specificity:	This antibody recognises the Murine Scavenger Receptor class A (SRA), type I and II, also known as CD204. 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 (Daugherty et al. 2000).
Formulation:	PBS containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: FITC State: Liquid purified IgG fraction from Tissue Culture Supernatant Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	FITC
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	macrophage scavenger receptor 1



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**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. 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