

Product datasheet for **BM4029B**

MRP8 (S100A8) Mouse Monoclonal Antibody [Clone ID: S13.67]

Product data:

Product Type: Primary Antibodies

Clone Name: S13.67

Applications: ELISA, FC, IHC, WB

Recommended Dilution: **ELISA.**

Immunohistochemistry on Frozen Sections: 1 µg/ml (1/200).

Immunohistochemistry on Paraffin Sections: 5-10 µg/ml (1/20-1/50). No pretreatment for antigen retrieval necessary.

Suggested Positive Control: Human tonsil.

Has been described to work in **FACS** and **Dot Blots**.

Reactivity: Human, Porcine, Rat

Host: Mouse

Isotype: IgG1

Clonality: Monoclonal

Immunogen: Cultured Human Monocytes.



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Specificity:	<p>S 13.67 identifies the Ca²⁺-binding light subunit of the inflammatory L-1 protein complex, also called S100A8 or Calgranulin A.</p> <p>S 13.67 is useful for the identification of the 8kD S100A8 subunit in various immunological techniques. Histological and serological data indicate that MRP8 is associated with chronic stages of inflammatory diseases. S13.67 detects a very distinct, as yet not characterized epitope of MRP8 (different from the 8-5C2 epitope).</p> <p>Antigen Distribution</p> <p>Isolated cells: The antigen is found in granulocytes and monocytes. It is absent from other blood cells. In cultured monocytes, maximum MRP8 is expressed after 3-4 days. Myeloid leukaemia stains positively.</p> <p>Tissue Sections: In the tissue, MRP-8 is only found in a distinct subpopulation of inflammatory perivascular infiltrates of the myelo-monocytic lineage. Macrophages synthesise MRP-8 increasingly during the late stages of inflammation. A low MRP-8 (and high MRP-14) expression by macrophages was also reported in granulomatous diseases such as tuberculosis and sarcoidis. In non-granulomatous chronic inflammatory diseases such as chronic rheumatoid arthritis MRP8 and MRP14 positive cells consist of different subpopulations. During early inflammation endothelial cells are also positive with MRP8 / MRP14(TNF-alpha/IL-1 alpha induced inflammation of the skin).</p>
Formulation:	<p>PBS, pH 7.2 with 5 mg/ml BSA as a stabilizer and 0.05% (v/v) Kathon CG as a preservative.</p> <p>Label: Biotin</p> <p>State: Lyophilized purified IgG fraction</p>
Reconstitution Method:	Restore in 0.5 ml distilled water to make stock solution.
Concentration:	0.2 mg/ml (after reconstitution)
Purification:	Affinity Chromatography
Conjugation:	Biotin
Storage:	<p>Store the lyophilized antibody at 2-8°C.</p> <p>Aliquot and store reconstituted antibody at -20°C.</p> <p>Avoid repeated freezing and thawing.</p>
Stability:	Shelf life: one year from despatch.
Gene Name:	S100 calcium binding protein A8
Database Link:	Entrez Gene 6279 Human P05109
Background:	MRP8 is the Ca ²⁺ -binding light subunit of Calprotectin. MRP8 forms Ca ²⁺ -dependent or complexes with MRP14 (S100A9, Calgranulin B). It also forms disulfide-linked homodimers under the influence of hypochlorite, a process thought to abrogate the chemotactic property of MRP8.
Synonyms:	S100-A8, CAGA, MRP-8, CFAG