

Product datasheet for **AM31838BT-N**

MRP8 (S100A8) Mouse Monoclonal Antibody [Clone ID: CF-145]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | CF-145 |
| Applications: | FC, IF, IHC, WB |
| Recommended Dilution: | Flow Cytometry: 0.5 µg/1x10 ⁶ cells. Immunofluorescence. Western blot. Immunohistochemistry. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG2b |
| Clonality: | Monoclonal |
| Immunogen: | Purified granulocyte antigen of Human origin. |
| Specificity: | This antibody detects Calgranulin A (S100A8). |
| Formulation: | PBS containing 0.02% Sodium Azide as preservative and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml. Label: Biotin State: Liquid purified IgG fraction. |
| Concentration: | lot specific |
| Purification: | Protein G Chromatography of Ascitic fluid. |
| 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: | S100 calcium binding protein A8 |
| Database Link: | Entrez Gene 6279 Human P05109 |



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Background:

Calgranulin A, also known as MRP-8 and S100A8 is a member of the S100 family of proteins containing 2 EF hand (alpha helix, turn, alpha helix structure) calcium binding motifs. S100 proteins are localized in the cytoplasm and /or nucleus of a wide range of cells and are involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation.

MRP-8 (S100A8) forms a heterodimeric complex with Calgranulin B, (MRP-14, S100A9) in the cytosol of monocyte and neutrophil cell types circulating in peripheral blood. Calgranulin A is found in elevated levels in the serum of cystic fibrosis cases and is also expressed in the skin of patients with psoriasis, eczematous dermatitis and squamous cell carcinoma.

Synonyms:

S100-A8, CAGA, MRP-8, CFAG