

## Calprotectin / MRP14 / S100A9 / Calgranulin B Antibody

Mouse Monoclonal Antibody [Clone S100A9/1011]

Catalog No	Format	Size
6280-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6280-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6280-MSM1-P1BX	Purified Ab WITHOUT BSA at 1.0mg/ml	100 ug

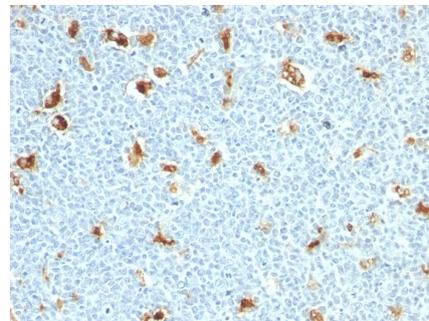
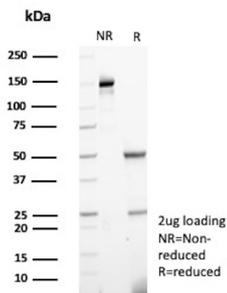
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

Clone	S100A9/1011
Gene Name	S100A9
Immunogen	Recombinant human S100A9 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgM / Kappa
Mol. Weight of Antigen	14kDa
Cellular Localization	Cell membrane, Cytoplasm, Cytoskeleton, Secreted
Species Reactivity	Human
Positive Control	Liver or histiocytoma.

\*Optimal dilution for a specific application should be determined.

### Product Images for Calprotectin / MRP14 / S100A9 / Calgranulin B Antibody



SDS-PAGE Analysis of Purified Protein S100-A9 Mouse Monoclonal Antibody (S100A9/1011). Confirmation of Purity and Integrity of Antibody.

Formalin-fixed, paraffin-embedded human Tonsil stained with S100A9 Mouse Monoclonal Antibody (S100A9/1011).

### **Specificity & Comments**

Recognizes a 14kDa protein, identified as S100A9 (also known as Calgranulin B or MRP-14); expressed by granulocytes, monocytes and by tissue macrophages. The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. Altered expression of this protein is associated with the disease cystic fibrosis. This MAb reacts with neutrophils, monocytes and macrophages, and has been shown as an important marker for identifying macrophages in tissue sections. Among cells that are now recognized as macrophages are histiocytes, Kupffer cells, osteoclasts, microglial cells, synovial type A cells, interdigitating cells, and Langerhans cells (in normal tissues) and epithelioid cells and Langerhans-type and foreign-body-type multinucleated giant cells (in inflamed tissues).

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### **Limitations and Warranty**

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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### **Supplied As**

200ug/ml of Ab Purified from Bioreactor Concentrate. Prepared in 10mM PBS with 0.05% azide. Also available WITHOUT BSA at 1.0mg/ml.

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### **Storage and Stability**

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

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### **Research Areas**

Cardiovascular, Immunology, Dendritic Cell Marker, Infectious Disease, Signal Transduction

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