

Calprotectin / MRP14 / S100A9 / Calgranulin B Antibody

Mouse Monoclonal Antibody [Clone CAGB/426]

Catalog No	Format	Size
6280-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6280-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6280-MSM2-P1BX	Purified Ab WITHOUT BSA at 1.0mg/ml	100 ug

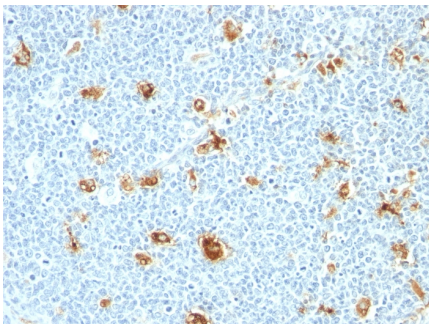
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	CAGB/426
Gene Name	S100A9
Immunogen	Recombinant human CAGB 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	lymph node or spleen., Tonsil

*Optimal dilution for a specific application should be determined.

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



Formalin-fixed, paraffin-embedded human tonsil stained with Calgranulin B Monoclonal Antibody (CAGB/426)

Specificity & Comments

Recognizes a 12-14kDa doublet of Calgranulin A/B (also known as S100A8/A9 or MRP-8/14); 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, macrophages, and squamous mucosal epithelia and has been shown as an important marker for identifying macrophages in tissue sections.

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% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

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