

## 36-1667: Monoclonal Antibody to S100A9 (Macrophage Marker)(Clone : S100A9/1011)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	S100A9/1011
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	S100A9
<b>Gene ID :</b>	6280
<b>Uniprot ID :</b>	P06702
<b>Format :</b>	Purified
<b>Alternative Name :</b>	S100A9,CAGB,CFAG,MRP14
<b>Isotype :</b>	Mouse IgM, kappa
<b>Immunogen Information :</b>	Recombinant human S100A9 protein

### Description

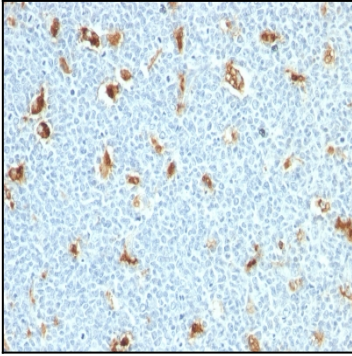
Recognizes a 14kDa protein, identified as S100A9 (also known as Calgranulin B or MRP-14); expressed by granulocytes, monocytes and by tissue macrophages. The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized 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).

### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Immunohistochemistry (Formalin-fixed. Not suitable for frozen tissues.) (1-2ug/ml for 30 minutes 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&degC followed by cooling at RT for 20 minutes);



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