

Anti-S100A9 (Macrophage Marker) Monoclonal Antibody

Catalog Number: M00380

About S100A9

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 monoclonal antibody 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).

Overview

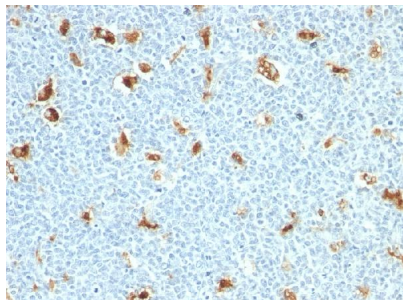
Product Name	Anti-S100A9 (Macrophage Marker) Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-S100A9 (Macrophage Marker) Monoclonal Antibody (Catalog # M00380). Tested in IHC-P applications. This antibody reacts with Human.
Conjugate	Biotin
Application	IHC-P
Clonality	Monoclonal Clone: S100A9/1011
Formulation	Prepared in 10mM PBS with 0.05% azide. Also available WITHOUT BSA at 1.0mg/ml.
Storage Instructions	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.
Host	Mouse
Uniprot ID	P06702

Technical Details

Immunogen	Recombinant human S100A9 protein
Predicted Reactive Species	Bovine, Canine, Mouse, Orangutan, Pig, Rabbit, Rat, Deer
Isotype	IgM, kappa
Form	Liquid
Concentration	Purified antibody with BSA and azide at 200ug/ml

Purification	200ug/ml of antibody purified from Bioreactor Concentrate.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>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)</p> <p>Optimal dilution for a specific application should be determined.</p>

Anti-S100A9 (Macrophage Marker) Monoclonal Antibody (M00380) Images



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

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