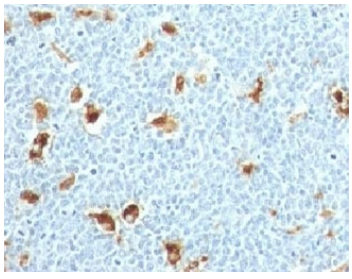
S100A9 Antibody [clone S100A9/1011] (V2847)

Catalog No.	Formulation	Size
V2847-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2847-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2847SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgM, kappa
Clone Name	S100A9/1011
Purity	PEG precipitation
UniProt	P06702
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE; not suitable for frozen tissues): 1-2ug/ml for 30 min at RT
Limitations	This S100A9 antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human tonsil stained with S100A9 antibody (clone S100A9/1011).

Description

Recognizes a 14kDa protein, identified as S100A9 (also known as Calgranulin B or MRP14); 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).

Application Notes

Optimal dilution of the S100A9 antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

Immunogen

Recombinant human protein was used as the immunogen for the S100A9 antibody.

Storage

Store the S100A9 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

Calprotectin L1H subunit , MRP14, Calgranulin B

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