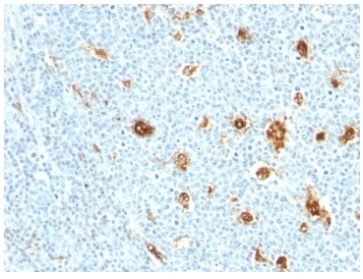
MRP14 Antibody / S100A9 [clone MRP14/840] (V2849)

Catalog No.	Formulation	Size
V2849-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2849-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2849SAF-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	MRP14/840
Purity	PEG precipitation
UniProt	P06702
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE; not suitable for frozen tissues): 0.5-1ug/ml for 30 min at RT (1)
Limitations	This MRP14 antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human tonsil stained with MRP14 antibody (MRP14/840)

Description

Recognizes a protein of14 kDa, identified as MRP-14 (also known as Calgranulin B, S100A9 and Calprotectin L1H). It comprises 60% of the cytoplasmic protein fraction of circulating polymorphonuclear granulocytes and is also found in monocytes, macrophages and ileal tissue eosinophils. Peripheral blood monocytes carry the antigen extra- and intracellularly, neutrophils only intracellularly. It is a potent chemotactic factor for neutrophils. Plasma concentrations are elevated in diseases associated with increased neutrophil activity, like inflammatory bowel disease. Granulocytes terminate their existence after transmigration through the intestinal wall. Therefore, it is also detectable in feces. Elevated levels have been observed in body fluids such as plasma, saliva, gingival crevicular fluid, stools, and synovial fluid during infection and inflammatory conditions. This mAb reacts with neutrophils, monocytes, and macrophages, and has been shown as an important marker for identifying macrophages in tissue sections.

Application Notes

Optimal dilution of the MRP14 antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.

Immunogen

Recombinant human protein was used as the immunogen for the MRP14 antibody.

Storage

Store the MRP14 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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