

Product Datasheet

S100A9 Antibody (CPT/1028) - Azide and BSA Free NBP3-11501

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NBP3-11501

S100A9 Antibody (CPT/1028) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CPT/1028
Preservative	No Preservative
Isotype	IgM Kappa
Purity	Protein L or PEG purified
Buffer	10 mM PBS
Target Molecular Weight	14 kDa

Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate. Prepared in 10mM PBS WITHOUT BSA. Also available at 200 ug/ml WITH BSA & azide (NBP2-44912). Antibody with azide - store at 2 to 8C.
Host	Mouse
Gene ID	6280
Gene Symbol	S100A9
Species	Human
Marker	Macrophage Marker
Specificity/Sensitivity	Recognizes the L1 or Calprotectin molecule, an intra-cytoplasmic antigen comprising of a 12kDa alpha chain and a 14kDa beta chain. Calprotectin 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. Calprotectin has antibacterial, antifungal, immunomodulating and antiproliferative effects. Besides this 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 calprotectin is also detectable in feces. Elevated levels of calprotectin have been observed in body fluids such as plasma, saliva, gingival crevicular fluid, stools, and synovial fluid during infection and inflammatory conditions. This monoclonal antibody reacts with neutrophils, monocytes, macrophages, and squamous mucosal epithelia and is important for identifying macrophages in tissue sections.
Immunogen	Recombinant human S100A9 protein (Uniprot: P06702)

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin 0.5 - 1 ug/ml



Application Notes

Immunohistochemistry (Formalin-fixed): 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 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

Images

Immunohistochemistry-Paraffin: S100A9 Antibody (CPT/1028) - Azide and BSA Free [NBP3-11501] - Human Tonsil stained with Calprotectin Monoclonal Antibody (CPT/1028)





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Products Related to NBP3-11501

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96975-0.5mg	Mouse IgM Kappa Light Chain Isotype Control (MMK)
NBP1-44500	Recombinant Human S100A9 His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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