

Product Datasheet

S100A9 Antibody (MRP14/840) - Azide and BSA Free NBP3-11441

Unit Size: 0.1 mg

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

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NBP3-11441

S100A9 Antibody (MRP14/840) - 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	MRP14/840
Preservative	No Preservative
Isotype	IgM Kappa
Purity	Protein L or PEG purified
Buffer	1 mM PBS
Target Molecular Weight	14 kDa

Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate. Prepared in 1mM PBS WITHOUT BSA. Also available at 200 ug/ml WITH BSA & azide (NBP2-45292). Antibody with azide - store at 2 to 8C.
Host	Mouse
Gene ID	6280
Gene Symbol	S100A9
Species	Human
Marker	Macrophage Marker
Specificity/Sensitivity	Recognizes a protein of 14kDa, identified as MRP-14 (also known as Calgranulin B or S100AA9). 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 monoclonal antibody reacts with neutrophils, monocytes, and macrophages, and has been shown as an important marker for identifying macrophages in tissue sections.
Immunogen	Recombinant human S100A9 protein (Uniprot: P06702)

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence, Immunohistochemistry-Frozen (Negative)
Recommended Dilutions	Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 0.5 - 1 ug/ml, Immunohistochemistry-Frozen (Negative), Immunofluorescence 0.5 - 1.0 ug/ml



Application Notes

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 95C followed by cooling at RT for 20 minutes.
Optimal dilution for a specific application should be determined.





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Products Related to NBP3-11441

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
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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