

Product Datasheet

S100A9 Antibody (MAC387)

NBP2-45295-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-45295-0.1mg

S100A9 Antibody (MAC387)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	MAC387
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

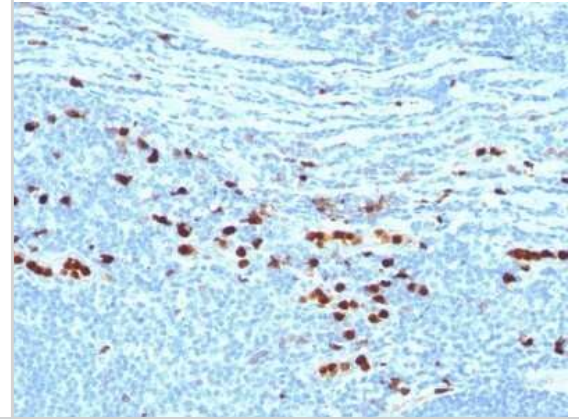
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47667) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	6280
Gene Symbol	S100A9
Species	Human, Mouse, Rat, Porcine, Bovine, Canine, Equine, Feline, Guinea Pig, Goat, Baboon, Rabbit
Specificity/Sensitivity	Recognizes the L1 or Calprotectin molecule (S100A9), an intra-cytoplasmic antigen comprising of a 12kDa alpha chain and a 14kDa beta chain expressed by granulocytes, monocytes and by tissue macrophages. This monoclonal antibody reacts with neutrophils, monocytes, macrophages, and squamous mucosal epithelia and has been shown as an important marker for identifying macrophages in tissue sections.
Immunogen	Affinity Purified monocyte membrane preparation

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunofluorescence
Recommended Dilutions	Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Immunofluorescence 0.5 - 1.0 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.

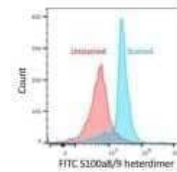


Images

Immunohistochemistry-Paraffin: S100A9 Antibody (MAC387) [NBP2-45295] - Human Tonsil stained with Macrophage L1 Protein Monoclonal Antibody (MAC387)



Flow Cytometry: S100A8/A9 Antibody (MRP8 7C12/4) [NBP2-45295] - Mouse splenocytes were fixed and permeabilized with Foxp3 Fixation/Permeabilization kit. Splenocytes were incubated with Fc block for 5 mins at RT and stained with or without antibody at 1:100 dilution for 25 mins at RT. Data was acquired on a Cytoflex LX and analyzed using FlowJo 10. This image was added from customer review. Image from the Alexa Fluor 488 version of this antibody.



Publications

Dolivo D, Rodrigues A, Sun L et al. Simvastatin cream alleviates dermal fibrosis in a rabbit ear hypertrophic scar model *Journal of cosmetic dermatology* 2023-02-01 [PMID: 35665590] (IHC-P, Rabbit)

Sugawara-Suda M, Morishita K, Ichii O et al. Transcriptome and proteome analysis of dogs with precursor targeted immune-mediated anemia treated with splenectomy *PloS one* 2023-05-05 [PMID: 37146011] (IHC-P, Canine)

Vito A, El-Sayes N, Salem O et al. Response to FEC Chemotherapy and Oncolytic HSV-1 Is Associated with Macrophage Polarization and Increased Expression of S100A8/A9 in Triple Negative Breast Cancer Cancers (Basel) 2021-11-08 [PMID: 34771752] (Flow - CS, Mouse)



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Products Related to NBP2-45295-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
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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