

# Product Datasheet

## S100A9 Antibody (MAC387)

### NBP2-45295-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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[technical@novusbio.com](mailto:technical@novusbio.com)

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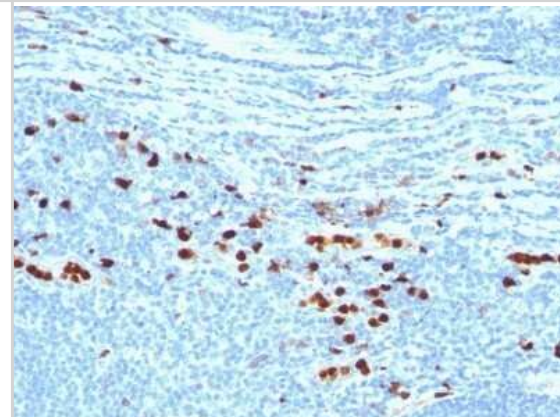
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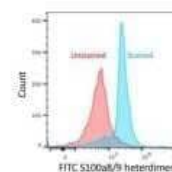
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.2 mg/ml
<b>Storage</b>	Store at 4C.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	MAC387
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	10 mM PBS with 0.05% BSA
<b>Product Description</b>	
<b>Description</b>	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.
<b>Host</b>	Mouse
<b>Gene ID</b>	6280
<b>Gene Symbol</b>	S100A9
<b>Species</b>	Human, Mouse, Rat, Porcine, Bovine, Canine, Equine, Feline, Guinea Pig, Goat, Baboon, Monkey, Rabbit
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	Affinity Purified monocyte membrane preparation
<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence
<b>Recommended Dilutions</b>	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
<b>Application Notes</b>	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)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-45295-0.1mg**

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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

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### **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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