

# Product Datasheet

## S100A9 Antibody (MAC387) [Alexa Fluor® 700] NBP2-47667AF700

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47667AF700**

S100A9 Antibody (MAC387) [Alexa Fluor® 700]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	MAC387
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	Alexa Fluor 700
Purity	Protein A or G purified
Buffer	50mM Sodium Borate

Product Description	
Host	Mouse
Gene ID	6280
Gene Symbol	S100A9
Species	Human, Mouse, Rat, Porcine, Bovine, Canine, Equine, Feline, Guinea Pig, Goat, Baboon, Monkey, 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
Notes	Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@lifetech.com">outlicensing@lifetech.com</a> . This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence



<b>Recommended Dilutions</b>	Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence, CyTOF-ready
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.

## Publications

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]





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### **Products Related to NBP2-47667AF700**

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IC002N	Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 700]
NBP1-44500	Recombinant Human S100A9 His Protein
210-TA-005	TNF-alpha [Unconjugated]
DY5578	S100A9 [Biotin]

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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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