

Product Datasheet

S100A9 Antibody (S100A9/1075) - BSA Free NBP2-44913-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-44913-0.1mg

S100A9 Antibody (S100A9/1075) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	S100A9/1075
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	14 kDa

Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% azide. Also available WITHOUT azide at 1.0 mg/ml. (NBP3-11559) 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, Rat
Marker	Macrophage Marker
Specificity/Sensitivity	This monoclonal antibody stains the cytoplasm of macrophages and histiocytes in hematopoietic organs, Kupffers cells of the liver and Langerhans cells of the skin. It also stains the mantle zone B-lymphocytes of the lymph node and spleen, spermatogonia, and chief cells of the stomach. S100A9 is expressed by macrophages in acutely inflamed tissues and in chronic inflammation. It is detected in peripheral blood leukocytes, in neutrophils and granulocytes. It is present at sites of vascular inflammation. S100A9 is also expressed in epithelial cells constitutively or induced during dermatoses. S100A9 is a Calcium-binding protein. It has antimicrobial activity towards bacteria and fungi. It is important for resistance to invasion by pathogenic bacteria. It up-regulates transcription of genes that are under the control of NF-kappa-B. S100A9 plays a role in the development of endotoxic shock in response to bacterial lipopolysaccharide (LPS). It promotes tubulin polymerization when unphosphorylated. It also promotes phagocyte migration and infiltration of granulocytes at sites of wounding. It plays a role as a pro-inflammatory mediator in acute and chronic inflammation and up-regulates the release of IL8 and cell-surface expression of ICAM1.
Immunogen	Recombinant human S100A9 protein (Uniprot: P06702)

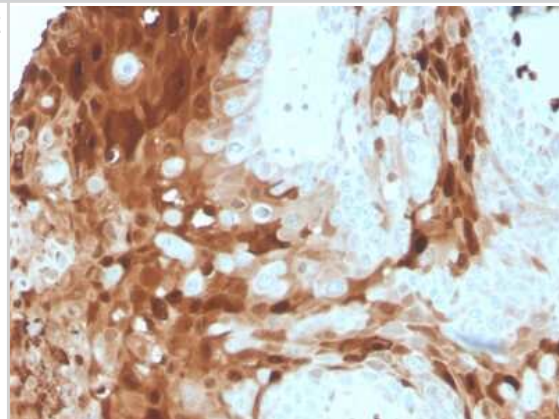
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence



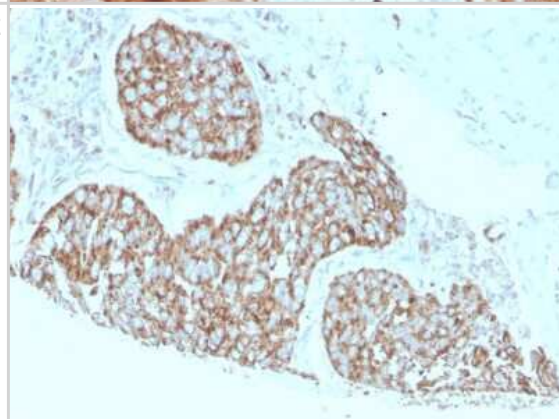
Recommended Dilutions	Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Immunofluorescence 0.5 - 1.0 ug/ml
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. For staining of formalin-fixed, paraffin-embedded tissues, digest with trypsin at 1mg/ml PBS, 15 min at RT. Optimal dilution for a specific application should be determined.

Images

Immunohistochemistry-Paraffin: S100A9 Antibody (S100A9/1075) [NBP2-44913] - Formalin-fixed, paraffin-embedded human skin carcinoma stained with S100A9 Antibody (S100A9/1075).



Immunohistochemistry-Paraffin: S100A9 Antibody (S100A9/1075) [NBP2-44913] - Formalin-fixed, paraffin-embedded human breast carcinoma stained with S100A9 Antibody (S100A9/1075).





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Products Related to NBP2-44913-0.1mg

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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