

Product Datasheet

S100A8/S100A9 Heterodimer Antibody (27E10) NBP1-60157-0.05mg

Unit Size: 0.05 mg

Store at 4C.

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NBP1-60157-0.05mg

S100A8/S100A9 Heterodimer Antibody (27E10)

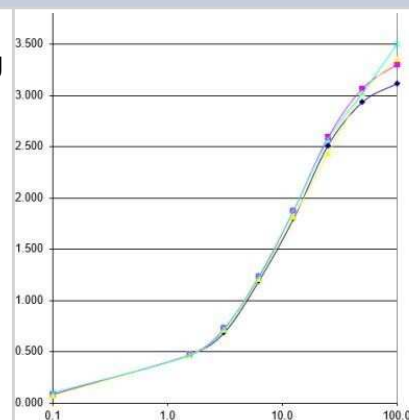
Product Information	
Unit Size	0.05 mg
Concentration	0.1 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	27E10
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	0.2 um filtered solution in PBS and 0.1% BSA

Product Description	
Description	Novus Biologicals Mouse S100A8/S100A9 Heterodimer Antibody (27E10) (NBP1-60157) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. Anti-S100A8/S100A9 Heterodimer Antibody: Cited in 9 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	6279
Gene Symbol	S100A8
Species	Human, Monkey
Immunogen	Human blood monocytes

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunoassay, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500, Immunoassay
Application Notes	W: non-reduced;~22 kDa; doesn't recognize the single proteins S100A8 and S100A9. For IHC-F: acetone fixation; 0.1 % hydrogen peroxide treatment to reduce endogenous peroxidase activity; positive control: inflammatory tissue; negative control: normal human tissue (skin, lung, colon).

Images

Immunoassay: S100A8/A9 Antibody (27E10) [NBP1-60157] -
 Immunoassay: S100A8/A9 Antibody (27E10) [NBP2-62801] Image using
 the Azide and BSA Free form of this antibody.



Publications

Li Z, McGinn O, Wu Y et al. ESR1 mutant breast cancers show elevated basal cytokeratins and immune activation Nature communications 2022-04-19 [PMID: 35440136] (IHC-P, Human)

D'Amico F, Granata M, Skarmoutsou E et al. Biological therapy downregulates the heterodimer S100A8/A9 (calprotectin) expression in psoriatic patients. Inflamm. Res. 2018-03-31 [PMID: 29605872] (IF/IHC, Human)

Molin S, Merl J, Dietrich KA et al. The hand eczema proteome: imbalance of epidermal barrier proteins. Br. J. Dermatol. 2014-09-21 [PMID: 25244099] (IHC-P, Human)

Details:

Filaggrin family member 2/Filaggrin2 or FLG2 antibody used for IHC on formalin-fixed paraffin-embedded skin biopsy samples from human chronic hand eczema (CHE) patients. Antibody used at 1:30 dilution and detected via LSAB method with DAKO REAL[®] Detection System, Alkaline Phosphatase/RED, Rabbit/Mouse (Figure 2).

Zhang H, Maric I, Diprima MJ et al. Fibrocytes represent a novel MDSC subset circulating in patients with metastatic cancer. Blood. 2013-08-15 [PMID: 23757729]

Zhu L, Okano S, Takahara M et al. Expression of S100 protein family members in normal skin and sweat gland tumors. J Dermatol Sci. 2013-06-01 [PMID: 23623205] (IHC-P, Human)

Details:

Psoriasis/HID5/S100A7 Clone 47C1068 (IMG-409A), IHC (paraffin): Normal human skin and sweat gland tumors, Figs 1k-O & 5A-G, Tables 1-3. Note: The 47C1068 S100A7 mAb was used at 10 ug/ml.

Kuhn A, Sonntag M, Sunderkotter C, Lehmann P, Vestweber D, Ruzicka T. Upregulation of epidermal surface molecule expression in primary and ultraviolet-induced lesions of lupus erythematosus tumidus. Br J Dermatol;146 (5):801-9. 2002-05-01 [PMID: 12000376]

Hessian PA, Fisher L. The heterodimeric complex of MRP-8 (S100A8) and MRP-14 (S100A9) Antibody recognition, epitope definition and the implications for structure. Eur J Biochem;268(2):353-63. 2001-01-01 [PMID: 11168370]

Champaiboon C, Sappington KJ, Guenther BD, Ross KF, Herzberg MC. Calprotectin S100A9 calcium-binding loops I and II are essential for keratinocyte resistance to bacterial invasion. J Biol Chem;284(11):7078-90. 2009-03-13 [PMID: 19122197]

Zwadlo G, Schlegel R, Sorg C. A monoclonal antibody to a subset of human monocytes found only in the peripheral blood and inflammatory tissues. J Immunol;137(2):512-8. 1986-07-15 [PMID: 3722815]



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Products Related to NBP1-60157-0.05mg

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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