

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

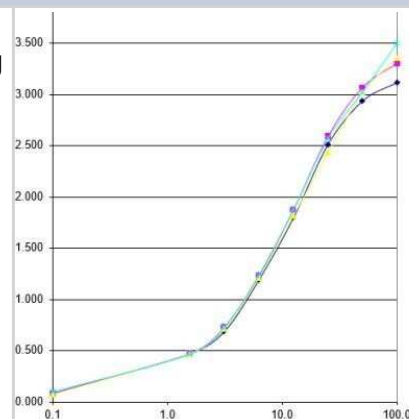
Host	Mouse
Gene ID	6279
Gene Symbol	S100A8
Species	Human, Monkey
Immunogen	Human blood monocytes

Product Application Details

Applications	Western Blot, Flow Cytometry, Immunoassay, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, 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:

Psoriasin/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

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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
210-TA-005	TNF-alpha [Unconjugated]

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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