

# Product Datasheet

## Dermcidin Antibody (G-81)

### NBP1-49620-0.25ml

Unit Size: 0.25 ml

Store at 4C.

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**NBP1-49620-0.25ml****Dermcidin Antibody (G-81)**

<b>Product Information</b>	
<b>Unit Size</b>	0.25 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	G-81
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgM
<b>Purity</b>	Tissue culture supernatant
<b>Buffer</b>	Tissue culture supernatant
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Dermcidin Antibody (G-81) (NBP1-49620) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Dermcidin Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	117159
<b>Gene Symbol</b>	DCD
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	The monoclonal antibody G-81 was produced against a sweat-specific antigen. It reacts to sweat but not to other body fluids (e.g. serum, saliva, semen, milk, urine and tears) in ELISA. The N-terminal amino acid sequence (18 amino acids residues) is identical to a part of human cachexia-associated protein and of a survival-promoting peptide for neuronal cells. Besides this, the sequence is identical to the C-terminal peptide (amino acids 62-79) of DCD. The monoclonal antibody G81 can be used as a specific marker for eccrine glands in the human skin.
<b>Immunogen</b>	Fractionated sweat peptides in complete Freund's adjuvant
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunoassay, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunoassay
<b>Application Notes</b>	For immunohistology and Western blotting, dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50. Immunocytochemistry/Immunofluorescence was reported in scientific literature.

**Publications**

Cheret J, Bertolini M, Ponce L et al. Olfactory receptor OR2AT4 regulates human hair growth. *Nat Commun* 2018-09-18 [PMID: 30228264] (ICC/IF, Human)

Bennett K, Heywood W, Di WL, Harper J, Clayman GL, Jayakumar A, Callard R, Mills K. The identification of a new role for LEKTI in the skin: The use of protein 'bait' arrays to detect defective trafficking of dermcidin in the skin of patients with Netherton syndrome. *J Proteomics*. 2012-05-12 [PMID: 22588119] (IF/IHC, ICC/IF, Human)





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### **Products Related to NBP1-49620-0.25ml**

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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]
NBP1-97007	Mouse IgM Isotype Control

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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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