

# Product Datasheet

## Involucrin Antibody (SY5) - BSA Free NB100-2727

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NB100-2727**

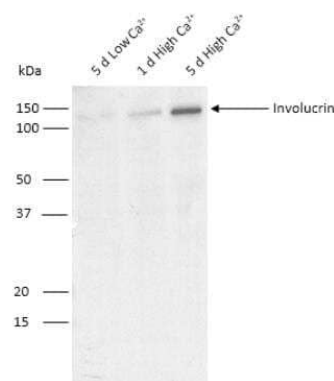
Involucrin Antibody (SY5) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SY5
Preservative	0.02% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	PBS
Target Molecular Weight	118 kDa
Product Description	
Host	Mouse
Gene ID	3713
Gene Symbol	IVL
Species	Human, Porcine, Canine, Primate
Reactivity Notes	There is weak reactivity with Canine, but it does not react with Mouse.
Immunogen	Purified involucrin from human keratinocytes.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot 1:100 - 1:2000, Flow Cytometry 0.5 - 1.0 ug/10 <sup>6</sup> cells, Immunohistochemistry 0.1-0.2 ug/ml, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin 1:10-1:500, CyTOF-ready
Application Notes	Localized to upper spinous and granular layers in normal skin. IHC: Staining of formalin-fixed tissues is enhanced by digestion with trypsin or Protease XXV at 1mg/ml PBS for 5 min at 37 degrees Celsius. Note that enzyme digestion is better than citrate buffer based epitope unmasking. This antibody is CyTOF ready. Positive control(s): MCF-7 cells.

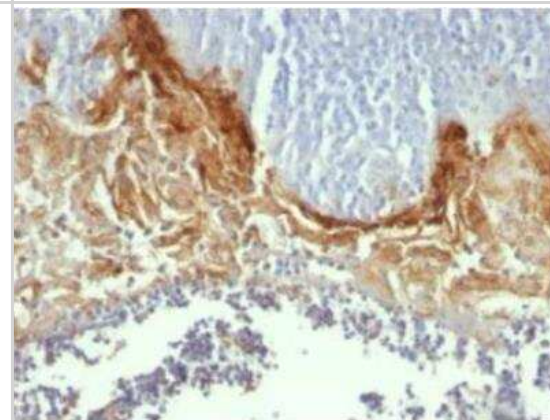


## Images

**Western Blot: Involucrin Antibody (SY5) [NB100-2727]** - Involucrin from primary human epidermal keratinocyte lysates grown in low calcium (0.07 mM) for 5 days or differentiated with high calcium (1.5 mM) for 1-5 days. Block in 5% nonfat dry milk in TBST incubated at RT for 1 hr, antibody 1:500 in TBST, overnight at 4C. Image from verified customer review.



**Immunohistochemistry-Paraffin: Involucrin Antibody (SY5) [NB100-2727]** - Staining of human Tonsil with Involucrin Monoclonal Antibody (SY5).



## Publications

Koskinen Holm C, Qu C Engineering a 3D In Vitro Model of Human Gingival Tissue Equivalent with Genipin/Cytochalasin D International journal of molecular sciences 2022-07-03 [PMID: 35806407] (IHC-P)

Details:  
Dilutions: 1:250

Shimoda H, Terazawa S, Hitoie S et al. Changes in ceramides and glucosylceramides in mouse skin and human epidermal equivalents by rice-derived glucosylceramide J Med Food 2012-12-01 [PMID: 23216108]



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### **Products Related to NB100-2727**

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NB820-59465	MCF-7 Whole Cell Lysate
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)

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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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