

# Product Datasheet

## Involucrin Antibody (SPM259) [Alexa Fluor® 405] NBP2-34402AF405

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-34402AF405**

Involucrin Antibody (SPM259) [Alexa Fluor® 405]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	SPM259
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	Alexa Fluor 405
Purity	Protein A or G purified
Buffer	50mM Sodium Borate
Product Description	
Host	Mouse
Gene ID	3713
Gene Symbol	IVL
Species	Human, Porcine, Canine, Primate, Monkey, Mouse (Negative)
Reactivity Notes	Does not react with Mouse.
Marker	Squamous Cell Terminal Differentiation Marker
Specificity/Sensitivity	It recognizes a protein of 66kDa-170kDa, identified as involucrin. In Western blotting of cultured human keratinocytes, this monoclonal antibody reacts with a 120kDa protein. It stains the involucrin in a variety of sizes: 170kDa in MCF-7 cells, a doublet of ~115kDa and 150kDa in gorilla and owl monkey, 66kDa in dog, and a doublet of 105kDa in pig. Its epitope maps between codon 421-568 of human involucrin. Involucrin is expressed in a range of stratified squamous epithelia, including the cornea, which lacks a distinct cornified layer. In normal epidermis, it is first expressed in the upper spinous layers, and in keratinocyte cultures, all cells that have left the basal layer express it. Involucrin expression is altered in pathological conditions: in psoriasis and other benign epidermal hyperplasias, involucrin expression begins closer to the basal layer than normal; expression is abnormal in squamous cell carcinomas and premalignant lesions, and is reduced in severe dysplasias of the larynx and cervix.
Immunogen	Purified involucrin from human keratinocytes (Uniprot: P07476)

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<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
<b>Recommended Dilutions</b>	Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready





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### **Products Related to NBP2-34402AF405**

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IC002V	Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 405]
NBP2-33742PEP	Involucrin Recombinant Protein Antigen
236-EG-200	EGF [Unconjugated]
NBP3-39629	Human Involucrin ELISA Kit (Colorimetric)

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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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