

Product Datasheet

Involutrin Antibody (SPM259) [Janelia Fluor® 669] NBP2-34402JF669

Unit Size: 0.1 ml

Store at 4C in the dark.

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Updated 8/15/2024 v.20.1

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NBP2-34402JF669

Involucrin Antibody (SPM259) [Janelia Fluor® 669]

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 | Janelia Fluor 669 |
| 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) |
| Notes | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus. |

Product Application Details

| | |
|------------------------------|---|
| Applications | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready |
| Recommended Dilutions | Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready |
| Application Notes | Optimal dilution of this antibody should be experimentally determined. |



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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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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