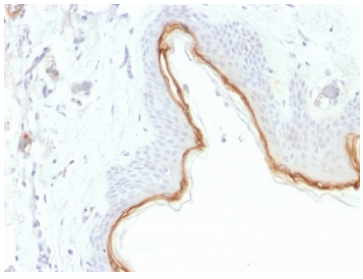
Filaggrin Antibody FLG/1945 / Mouse Monoclonal [clone FLG/1945] (V3841)

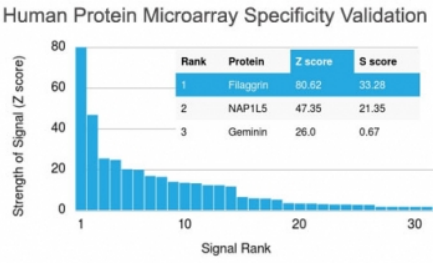
Catalog No.	Formulation	Size
V3841-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3841-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3841SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

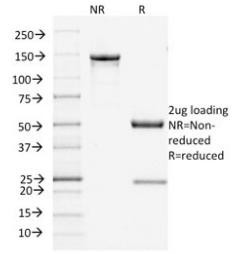
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	FLG/1945
Purity	Protein G affinity chromatography
UniProt	P20930
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT
Limitations	This Filaggrin Antibody FLG/1945 is available for research use only.



Filaggrin Antibody FLG/1945 Epidermal Barrier IHC. Immunohistochemistry testing of FFPE human skin with Filaggrin antibody (clone FLG/1945). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Filaggrin antibody (clone FLG/1945). These results demonstrate the foremost specificity of the FLG/1945 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free Filaggrin antibody (clone FLG/1945) as confirmation of integrity and purity.

Description

Filaggrin (FLG) is an intermediate filament-associated protein that aggregates keratin intermediate filaments in mammalian epidermis. It is initially synthesized as a polyprotein precursor, profilaggrin (consisting of multiple Filaggrin units of 324 aa each), which is localized in keratohyalin granules, and is subsequently proteolytically processed into individual functional Filaggrin molecules. Active Filaggrin is present at a level of the epidermis where keratinocytes are in transition between the live nucleated granular layer and the anucleate cornified layer, suggesting that filaggrin aids in the terminal differentiation process by facilitating apoptotic machinery.

Explore our Filaggrin Antibody / Epidermal Differentiation Marker page for additional validation data and research applications involving keratinocyte maturation, epithelial barrier biology, and dermatopathology-associated signaling pathways.

Application Notes

Optimal dilution of the Filaggrin Antibody FLG/1945 should be determined by the researcher.

Immunogen

A portion of amino acids 998-1104 from the human protein were used as the immunogen for this Filaggrin Antibody FLG/1945.

Storage

Store the Filaggrin Antibody FLG/1945 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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