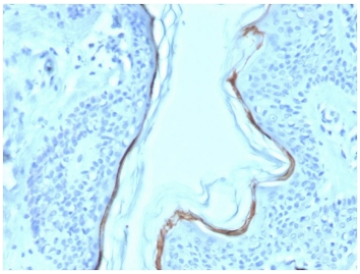
Filaggrin Antibody Biotin Conjugate [clone FLG/1563] (V3840BTN)

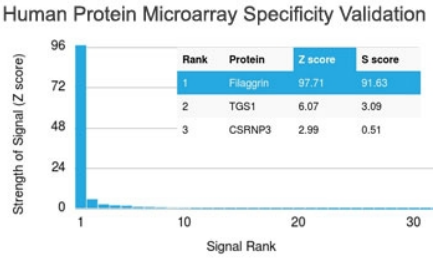
Catalog No.	Formulation	Size
V3840BTN	0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	500 ul

Bulk quote request

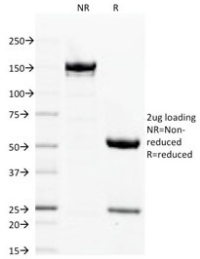
Availability	1-3 business days
Species Reactivity	Human
Format	Biotin Conjugate
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	FLG/1563
Purity	Protein G affinity chromatography
UniProt	P20930
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE): 2-4ug/ml for 30 minutes at RT
Limitations	This Filaggrin Antibody Biotin Conjugate is available for research use only.



Filaggrin Antibody Biotin Conjugate Skin IHC. Immunohistochemistry testing of FFPE human skin with biotinylated Filaggrin antibody (clone FLG/1563). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Filaggrin antibody (clone FLG/1563). These results demonstrate the foremost specificity of the FLG/1563 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/1563) as confirmation of integrity and purity.

Description

Filaggrin Antibody Biotin Conjugate specifically detects Filaggrin protein. Filaggrin 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 Biotin Conjugate should be determined by the researcher.

Immunogen

A portion of amino acids 998-1104 from the human protein was used as the immunogen for the Filaggrin antibody.

Storage

Store the Filaggrin antibody at 2-8oC (up to one month) or aliquot and store at -20oC (longer term).

Copyright © NSJ Bioreagents. All rights reserved.