

Mouse Filaggrin Monoclonal Antibody | anti-FLG antibody

Filaggrin (Keratinocyte Differentiation Marker)

CATALOG # AAA214647	HOST Mouse	REACTIVITY Human. Others not tested.	APPLICATIONS Immunohistochemistry
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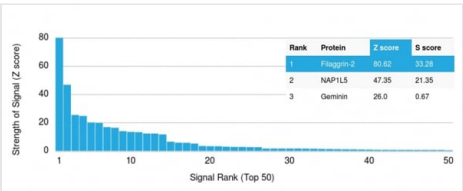
PRODUCT SYNONYMS

Filaggrin; Monoclonal Antibody; Filaggrin (Keratinocyte Differentiation Marker); ATOD2; Epidermal Filaggrin; Filaggrin precursor; Fillagrin; FLG; Profilaggrin; anti-FLG antibody

PRODUCT SPECIFICATIONS

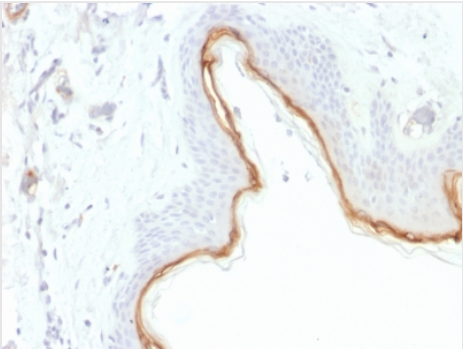
Host	Mouse
Reactivity	Human. Others not tested.
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	FLG/1945
Specificity	Filaggrin is an intermediate filament-associated protein that aggregates keratin intermediate filaments in mammalian epidermis. It is initially synthesized as a polypeptide precursor, 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.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	4061
Applicable Applications for anti-FLG antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant human Filaggrin protein fragment (around aa 998-1104)
Cellular Localization	Cytoplasmic
Hu-chromosome Location	1q21.3
Positive Control	U-251-MG cells or Skin

IMAGES

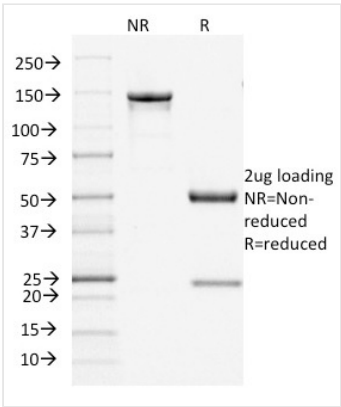


Application Data

Analysis of Protein Array containing more than 19, 000 full-length human proteins using Filaggrin Mouse Monoclonal Antibody (FLG/1945). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Skin stained with Filaggrin Mouse Monoclonal Antibody (FLG/1945).



SDS-PAGE
SDS-PAGE Analysis Purified Filaggrin Mouse Monoclonal Antibody (FLG/1945).Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

References	Gan, S.Q., et al. 1990. Organization, structure, and polymorphisms of the human profilaggrin gene. Biochemistry 29: 9432-9440.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	60097902
NCBI GeneID	2312
NCBI Accession #	NP_002007.1
NCBI GenBank Nucleotide #	NM_002016.1
UniProt Accession #	P20930; Q01720; Q5T583; Q9UC71
Molecular Weight	26-45kDa (Processed); 350kDa (Profilaggrin)
NCBI Official Full Name	filaggrin
NCBI Official Synonym Full Names	filaggrin
NCBI Official Symbol	FLG
NCBI Official Synonym Symbols	ATOD2
NCBI Protein Information	filaggrin

UniProt Protein Name	Filaggrin
UniProt Gene Name	FLG

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/filaggrin-antibody-clone-flg-1945-immunohistochemistry-elisa/214647>