

Mouse anti-Human Filaggrin Monoclonal Antibody | anti-FLG antibody

Filaggrin (Keratinocyte Differentiation Marker)

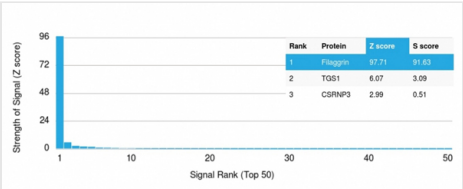
CATALOG # AAA215480	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

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

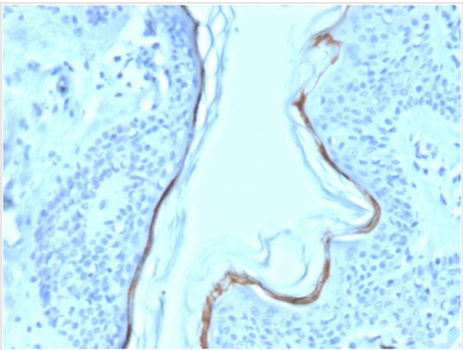
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	FLG/1563
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.
Purity/Purification	Purified Ab conjugated to Biotin
Form/Format	Antibody purified from Bioreactor Concentrate by Protein A/G and conjugated to Biotin. Prepared in 10mM PBS with 0.05% BSA and 0.05% azide.
Sequence Length	452
Applicable Applications for anti-FLG antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant Human Filaggrin protein fragment (around aa 998-1104) (exact sequence is proprietary)
Cellular Localization	Cytoplasmic
Hu-chromosome Location	1q21.3
Positive Control	U-251-MG cells. Human skin.
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

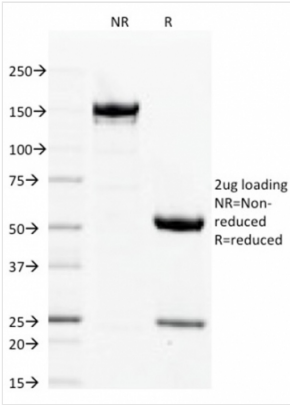


Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using Filaggrin Mouse Monoclonal Antibody (FLG/1563). 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 HuProt™ 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 HuProt™ 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 Biotin-conjugated Filaggrin Mouse Monoclonal Antibody (FLG/1563).



SDS-PAGE
SDS-PAGE Analysis Purified Filaggrin Mouse Monoclonal Antibody (FLG/1563) (unconjugated). Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

References	Gan, S.Q., et al. 1990. Biochemistry 29: 9432-9440.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7110593
NCBI GeneID	2313
NCBI Accession #	NP_002008
NCBI GenBank Nucleotide #	NP_002008.2
UniProt Accession #	P20930; Q01543
Molecular Weight	26-45kDa (Processed); 350kDa (Profilaggrin)
NCBI Official Full Name	Friend leukemia integration 1 transcription factor isoform 1
NCBI Official Synonym Full Names	Fli-1 proto-oncogene, ETS transcription factor
NCBI Official Symbol	FLI1
NCBI Official Synonym Symbols	EWSR2; SIC-1; BDPLT21
NCBI Protein Information	Friend leukemia integration 1 transcription factor

UniProt Protein Name	Friend leukemia integration 1 transcription factor
UniProt Gene Name	FLI1
UniProt Entry Name	FLI1_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/filaggrin-antibody-clone-flg-1563-immunohistochemistry-elisa/215480>