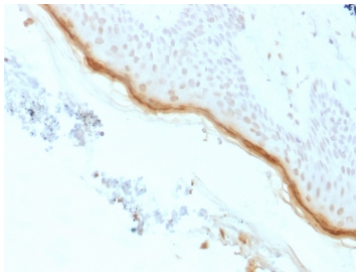
Recombinant Filaggrin Antibody rFLG/1561 / Recombinant FLG Monoclonal Antibody [clone rFLG/1561] (V3611)

Catalog No.	Formulation	Size
V3611-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3611-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3611SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3611IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

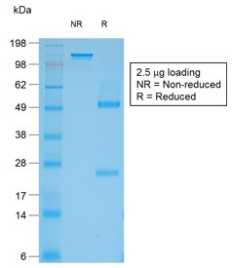
Recombinant MOUSE MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rFLG/1561
Purity	Protein G affinity chromatography
UniProt	P20930
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT
Limitations	This Recombinant Filaggrin Antibody rFLG/1561 / Recombinant FLG Monoclonal Antibody is available for research use only.



Recombinant Filaggrin Antibody Skin IHC. Immunohistochemistry analysis of FFPE human skin with Recombinant Filaggrin Antibody rFLG/1561 / Recombinant FLG Monoclonal Antibody. Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE analysis of purified, BSA-free recombinant Filaggrin antibody (clone rFLG/1561) as confirmation of integrity and purity.

Description

Recombinant Filaggrin Antibody rFLG/1561 / Recombinant FLG Monoclonal Antibody detects Filaggrin (FLG), 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 Recombinant Filaggrin Antibody rFLG/1561 / Recombinant FLG Monoclonal Antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Amino acids 198-288 of human FLG were used as the immunogen for this Recombinant Filaggrin Antibody rFLG/1561.

Storage

Store the Recombinant Filaggrin Antibody rFLG/1561 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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