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## 12-1180: Anti-Filaggrin (Keratinocyte Differentiation Marker) Recombinant Mouse Monoclonal Antibody (Clone:rFLG/1561)

Clonality: Monoclonal **Clone Name:** rFLG/1561 Application: IHC Reactivity: Human Gene: FLG Gene ID: 2312 **Uniprot ID:** P20930 Format: Purified

Alternative Name: ATOD2; Epidermal Filaggrin; Filaggrin; Filaggrin precursor; Fillagrin; FLG; Profilaggrin

**Isotype:** Mouse IgG1, kappa

Immunogen Information: Recombinant fragment of human Filaggrin protein (aa 198-288) (exact sequence is

proprietary)

## **Description**

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, sµggesting that filaggrin aids in the terminal differentiation process by facilitating apoptotic machinery.

## **Product Info**

**Amount :** 20 μg / 100 μg **Purification :** Protein A/G

Content: 200µg/ml of recombinant MAb purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA &

0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml.

**Storage condition :** Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

is stable for 24 months. Non-hazardous.

## **Application Note**

Immunohistochemistry (Formalin-fixed) (1-2 $\tilde{A}$  $\square$  $\hat{A}$  $\mu$ g/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

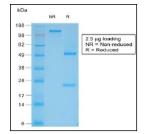
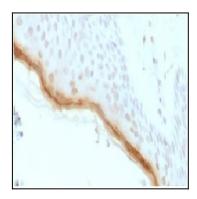


Figure 1: SDS-PAGE Analysis Purified Filaggrin Mouse Recombinant Monoclonal Antibody (rFLG/1561).



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 $\label{thm:constraint} \mbox{Figure 2: Formalin-fixed, paraffin-embedded human Skin stained with Filaggrin Mouse} \\ \mbox{Recombinant Monoclonal Antibody (rFLG/1561)}.$