

Anti-Filaggrin (Keratinocyte Differentiation Marker) FLG Monoclonal Antibody

Catalog Number: M01063

About FLG

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.

Overview

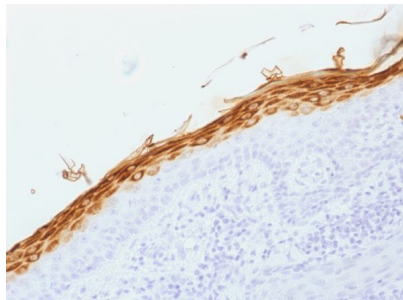
Product Name	Anti-Filaggrin (Keratinocyte Differentiation Marker) FLG Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Filaggrin (Keratinocyte Differentiation Marker) FLG Monoclonal Antibody (Catalog # M01063). Tested in IHC applications. This antibody reacts with Human.
Conjugate	Biotin
Application	IHC
Clonality	Monoclonal Clone: FLG/1562
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	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. No MSDS required.
Host	Mouse
Uniprot ID	P20930

Technical Details

Immunogen	Recombinant human Filaggrin protein fragment (aa 198-288) (exact sequence is proprietary)
Predicted Reactive Species	Bovine, Canine, Mouse, Orangutan, Pig, Rabbit, Rat, Deer
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG1, kappa
Form	Liquid

Concentration	Purified antibody with BSA and azide at 200ug/ml
Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Immunohistochemistry (Formalin-fixed) (1-2ug/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)</p> <p>Optimal dilution for a specific application should be determined.</p>

Anti-Filaggrin (Keratinocyte Differentiation Marker) FLG Monoclonal Antibody (M01063) Images



Formalin-fixed, paraffin-embedded human Skin stained with Anti-Filaggrin Mouse Monoclonal Antibody (FLG/1562).

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