



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Filaggrin (FLG)

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[nordicmubio.com/product/filaggrin-flg](http://nordicmubio.com/product/filaggrin-flg)

Catalogue number: **FLG01-1**

Clone	FLG01
Isotype	IgG1,k
Product Type	Primary Antibodies
Units	1 ml
Host	Mouse
Application	Immunohistochemistry (paraffin)

### Background

Antibody FLG01 is well suited for the detection of natural Filaggrin in immunohistochemistry. It is important to note, that some mutants may be undetectable due to sequence shifting. Filaggrins are a class of proteins, which are associated with intermediary filaments (keratins) in the differentiated epidermis of mammals. In a screening procedure for the reasons of innate pre-disposition of different skin diseases, rheumatoid arthritis, and asthma mutations were detected in gene (1q21). This gene encodes for Filaggrins. S.c. Loss-of-Function-Variants of the gene are associated with a severe form of Ichthyosis vulgaris (Fish scale disease), atopic dermatitis, eczema and asthma. In psoriasis the immunohistochemical staining pattern is changed, but the relation to the common European mutations of 1q21 has not been secured. Human Filaggrin 38 kDa and Pro-Filaggrin (app. 400 kDa).

### Source

*Immunogen:* Recombinant human Filaggrin

### Product

Protein G purified antibody in PBS pH 7.3 containing BSA and NaN<sub>3</sub> (0.09%)

*Purification Method:* Protein G purified antibody in PBS pH 7.3 containing BSA and NaN<sub>3</sub> (0.09%)

*Concentration:* 50 µg/ml

*Secondary Reagents:* We recommend the use of BIOLOGO's Universal Staining System DAB (Art. No. DA005) or AEC (Art.-No. AE005).

## **Specificity**

*Species Reactivity:* Human

## **Applications**

IHC(P)

*Incubation Time:* 60 min at RT

*Working Concentration:* (liquid conc.) 2-4 µg/ml

*Pre-Treatment:* For formaldehyde-fixed material we recommend antigen unmasking with citrate buffer (Unmasking Fluid C, art. no. DE000) at 90-100°C

*Positive Control:* Human skin, placenta or lens capsule

## **Storage**

2-8°C

## **Caution**

\*These antibodies are intended for in vitro research use only. They must not be used for clinical diagnostics and not for in vivo experiments in humans or animals. \*\* The preservative sodium azide is known to be poisonous and potentially hazardous to health. It should be handled only by trained staff. Despite of the product's low azide concentration it must be handled with care. Dispose according to regional rules!

## **References**

1. L J McKinley-Grant, W W Idler, I A Bernstein, D A Parry, L Cannizzaro, C M Croce, K Huebner, S R Lessin, and P M Steinert. Characterization of a cDNA clone encoding human filaggrin and localization of the gene to chromosome region 1q21. Proc Natl Acad Sci U S A. 1989 July; 86(13): 4848-4852.
2. Dutoit V, Fauchais AL, Hachulla E, Flipo RM, Prin L. Evaluation of anti-citrullinated filaggrin antibodies as hallmarks for the diagnosis of rheumatic diseases. Ann Rheum Dis. 2004 Apr;63(4):415-9.
3. Kurokawa I, Mizutani H, Kusumoto K, Nishijima S, Tsujita-Kyutoku M, Shikata N, Tsubura A. Cytokeratin, filaggrin, and p63 expression in reepithelialization during human cutaneous wound healing. Wound Repair Regen. 2006 Jan-Feb;14(1):38-45.
4. Palmer CN, Irvine AD, Terron-Kwiatkowski A, Zhao Y, Liao H, et al. (2006) Common loss-of-function variants of the epidermal barrier protein filaggrin are a major predisposing factor for atopic dermatitis. Nat Genet. 2006 Apr;38(4):441-6.
5. Holloway JW, Koppelman GH. Identifying novel genes contributing to asthma pathogenesis. Curr Opin Allergy Clin Immunol. 2007 Feb;7(1):69-74.

## **Protein Reference(s)**

*Database Name:* UniProt

*Accession number:* P20930 (FILA\_HUMAN)

*Species Accession:* Human