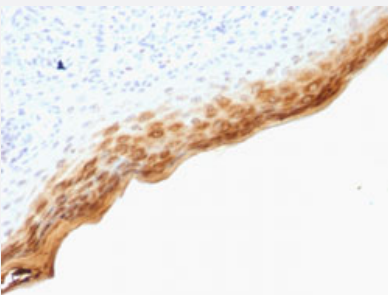


FLG monoclonal antibody, clone SPM181

Catalog # MAB14527 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human skin with FLG monoclonal antibody, clone SPM181 (Cat # MAB14527).

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant human FLG.
Immunogen	Recombinant protein corresponding to full length human FLG.
Host	Mouse
Theoretical MW (kDa)	26-45, 350
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10 ⁶ cells) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).

Storage Instruction

Store at 4°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human skin with FLG monoclonal antibody, clone SPM181 (Cat # MAB14527).

- Immunofluorescence
- Flow Cytometry

Gene Info — FLG

Entrez GeneID

[2312](#)

Protein Accession#

[P20930](#)

Gene Name

FLG

Gene Alias

ATOD2

Gene Description

filaggrin

Omim ID

[135940](#) [146700](#) [603165](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

Profilaggrin is a major protein component of the keratohyalin granules of mammalian epidermis. It is initially expressed as a large polypeptide precursor which is subsequently proteolytically processed into individual functional filaggrin molecules. The filaggrins show wide species variations and their aberrant expression has been implicated in a number of keratinizing disorders (Baden et al., 1974 [PubMed 4132224]; Holbrook et al., 1982 [PubMed 6174530]; Sybert et al., 1985 [PubMed 2579164]).[supplied by OMIM]

Other Designations

OTTHUMP00000014057|epidermal filaggrin

Publication Reference

- [Organization, structure, and polymorphisms of the human profilaggrin gene.](#)

Gan SQ, McBride OW, Idler WW, Markova N, Steinert PM.

Biochemistry 1990 Oct; 29(40):9432.

Disease

- [Alopecia Areata](#)
- [Arthritis](#)
- [Asthma](#)
- [Bronchial Hyperreactivity](#)
- [Chronic Disease](#)
- [Dermatitis](#)
- [Disease Progression](#)
- [Eczema](#)
- [Food Hypersensitivity](#)
- [Genetic Predisposition to Disease](#)
- [Hearing](#)
- [Hearing Loss](#)
- [Hypersensitivity](#)
- [Ichthyosis](#)
- [Ichthyosis Vulgaris](#)
- [Inflammatory Bowel Diseases](#)
- [Kaposi Varicelliform Eruption](#)
- [Psoriasis](#)
- [Respiratory Sounds](#)
- [Rhinitis](#)
- [Skin Diseases](#)