

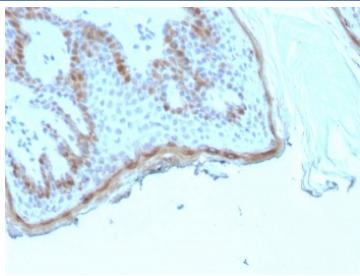
Recombinant FLG Antibody / Filaggrin [clone rFLG/1945] (V9389)

| Catalog No. | Formulation | Size |
|----------------|---|--------|
| V9389-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V9389-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V9389SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

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/1945 |
| Purity | Protein A/G affinity |
| UniProt | P20930 |
| Localization | Cytoplasm |
| Applications | Immunohistochemistry (FFPE) : 1-2ug/ml |
| Limitations | This recombinant FLG antibody is available for research use only. |



IHC staining of FFPE human skin tissue with recombinant FLG antibody (clone rFLG/1945). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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

Application Notes

Optimal dilution of the recombinant FLG antibody should be determined by the researcher.

Immunogen

A portion of amino acids 198-288 was used as the immunogen for the recombinant FLG antibody.

Storage

Aliquot the recombinant FLG antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.