

Abstract

METHOD FOR SCREENING COMPONENT THAT AFFECTS FLUCTUATION OF ADHESION PROTEINS IN STRATUM CORNEUM CELLS

Provided is a method for screening an ingredient that affects the increase or decrease of adhesive proteins present in stratum corneum cells, such as desmoglein, the screening method being more accurate than conventional methods. A method for screening an ingredient that affects the increase or decrease of adhesive protein in stratum corneum cells, comprising a collecting step of collecting stratum corneum cells using a tape stripping method, a transfer step of transferring stratum corneum onto a glass slide having a positively charged surface, a cleaning step of cleaning the glass slide, a preparation step of adding a search target ingredient to the glass slide and staining adhesive protein by an immunohistochemical staining method to prepare a screening sample, an image acquiring step of photographing an arbitrary place of the screening sample to acquire an image for analysis, and an evaluation step of evaluating an effect of the search target ingredient on the increase or decrease of the adhesive protein using, as an index, an area of a stained part in the image for analysis.

[Fig.4]