



Product Information Sheet

Monoclonal Anti-Involucrin (Sepharose Bead Conjugate)

Catalogue No. MA1053-S

Immunogen

Human involucrin

Lot No. 08A12

Purification

Clone: IL-9

Purified by the goat anti-mouse IgG affinity chromatography.

Ig type: mouse IgG1

Formulation

Size: 200µl

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Specificity

Human, dog, pig.

No cross reactivity with other proteins.

Storage

Store at 4°C for frequent use.

Recommended application

Immunoprecipitation(IP)

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

BACKGROUND

Involucrin is a keratinocyte protein that first appears in the cell cytosol, but ultimately becomes cross-linked to membrane proteins by transglutaminase. The gene consists of 585 amino acids, 390 of which form a central decapeptide repeat, rich in glutamine and glutamic acid. The involucrin gene, encoding a protein of the terminally differentiated keratinocyte, is polymorphic in the human. Involucrin has previously been mapped to chromosome 1q21. The epidermal protein involucrin has been remodeled in the higher primates. And the existence of two populations of East Asian involucrin alleles gives support for the existence of a Eurasian stem lineage from which Caucasians and a part of the Asian population originated.

REFERENCE

1. Eckert, R. L.; Green, H. : Structure and evolution of the human involucrin gene. Cell 46: 583-589, 1986.
2. Djian, P.; Delhomme, B.; Green, H. : Origin of the polymorphism of the involucrin gene in Asians. Am. J. Hum. Genet. 56: 1367-1372, 1995.
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