

# Anti-Involucrin [SY8]

**Catalogue number:** 151164

**Sub-type:** Primary antibody

**Images:** [https://res.cloudinary.com/ximbio/image/upload/c\\_fit/9de343e8-9a79-4d6b-8232-e3f22044d27b.jpg](https://res.cloudinary.com/ximbio/image/upload/c_fit/9de343e8-9a79-4d6b-8232-e3f22044d27b.jpg)

## Contributor

**Inventor:** Fiona Watt

**Institute:** Cancer Research UK, London Research Institute: Lincoln's Inn Fields

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## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-Involucrin [SY8]

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** SY8 is useful for studies of changes in involucrin expression in pathological studies.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1

**Reactivity:** Dog ; Human ; Pig ; Primate

**Selectivity:**

**Host:** Mouse

**Immunogen:** Purified involucrin from human keratinocytes.

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:** MCF-7 cells. Localized to upper spinous and granular layers in normal skin.

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Involucrin

**Target alternate names:**

**Target background:** Involucrin is a protein precursor of the epidermal cornified envelope and a differentiation marker of human keratinocytes.

**Molecular weight:** 66-170 kDa

**Ic50:**

## Applications

**Application:** IHC ; IF ; IP ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** -15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:** Anti-Involucrin, Recombinant [SY5]

## References

**References:** Zhong et al. 2016. Cell. 167(1):187-202.e17. PMID: 27662089. ; Germline NLRP1 Mutations Cause Skin Inflammatory and Cancer Susceptibility Syndromes via Inflammasome

Activation. ; Morales et al. 2016. Toxicol In Vitro. 36:89-96. PMID: 27448499. ; Evaluation of fibrin-based dermal-epidermal organotypic cultures for in vitro skin corrosion and irritation testing of chemicals according to OECD TG 431 and 439. ; A fundamental investigation into aspects of the physiology and biochemistry of the stratum corneum in subjects with sensitive skin. ; Raj et al. 2016. Int J Cosmet Sci. :. PMID: 27079667. ; Golinski et al. 2015. Cells Tissues Organs. : PMID: 26303436. ; Ravindran et al. 2015. Head Neck. 37(7):982-93. PMID: 24700702. ; Association of differential  $\beta$ -catenin expression with Oct-4 and Nanog in oral squamous cell carcinoma and their correlation with clinicopathological factors and prognosis. ; Development and Characterization of an Engraftable Tissue-Cultured Skin Autograft: Alternative Treatment for Severe Electrical Injuries. ; Creppe et al. 2012. Mol Cell Biol. 32(8):1442-52. PMID: 22331466. ; MacroH2A1 regulates the balance between self-renewal and differentiation commitment in embryonic and adult stem cells. ; White et al. 2010. J Immunol. 185(8):4769-76. PMID: 20861360. ; Lymphotoxin signals from positively selected thymocytes regulate the terminal differentiation of medullary thymic epithelial cells. ; Skoog et al. 2009. J Invest Dermatol. 129(1):119-30. PMID: 18633436. ; Matrix metalloproteinase-21 expression is associated with keratinocyte differentiation and upregulated by retinoic acid in HaCaT cells. ; Hudson et al. 1992. Hybridoma. 11(3):367-79. PMID: 1500072. ; Characterisation of eight monoclonal antibodies to involucrin.

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