

# Integrin a6b4 Mouse

**Catalogue number:** 151550

**Sub-type:** Mouse

**Images:**

## Contributor

**Inventor:** Fiona Watt

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

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Integrin a6b4 Mouse

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** Chemically-induced skin tumourigenesis model; in vivo study of alpha6 and beta4 integrin transgene expression in skin. Ninety six percent of alpha6beta4 transgenic mice develop squamous cell carcinoma, compared to 44% wildtype. Of those mice developing tumours, 68% alpha6beta4 develop metastasis, compared to 8% wildtype. TGF-beta signalling is disrupted in alpha6beta4 transgenic mice.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:** Involucrin - integrin transgene expression constructs were injected into fertilized oocytes from F1 hybrid CBAxC57Bl/6 mice. Transgene-positive mice were back-crossed to generate

individual founder lines. alpha6 founder line was crossed with beta4 founder line to generate alpha6beta4 line.

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Alpha6Beta4 Integrin

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:**

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Embryo/Spermatozoa- Dry Ice

## Related tools

**Related tools:**

## References

**References:** Carroll et al. 1995. Cell. 83(6):957-68. PMID: 8521519. ; Suprabasal integrin expression in the epidermis of transgenic mice results in developmental defects and a phenotype resembling psoriasis.

CancerTools.org