

**KRT5 / CK5 / Cytokeratin 5 Antibody (clone 2C2)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS15737**

**Specification**

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**KRT5 / CK5 / Cytokeratin 5 Antibody (clone 2C2) - Product Information**

Application	IF
Primary Accession	<a href="#">P13647</a>
Reactivity	Human, Mouse, Monkey
Host	Mouse
Clonality	Monoclonal
Calculated MW	62kDa KDa

**KRT5 / CK5 / Cytokeratin 5 Antibody (clone 2C2) - Additional Information**

**Gene ID** 3852

**Other Names**

Keratin, type II cytoskeletal 5, 58 kDa cytoskeletal, Cytokeratin-5, CK-5, Keratin-5, K5, Type-II keratin Kb5, KRT5

**Target/Specificity**

Human Cytokeratin 5 / Keratin 5

**Reconstitution & Storage**

Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

**Precautions**

KRT5 / CK5 / Cytokeratin 5 Antibody (clone 2C2) is for research use only and not for use in diagnostic or therapeutic procedures.

**KRT5 / CK5 / Cytokeratin 5 Antibody (clone 2C2) - Protein Information**

**Name** KRT5

**Function**

Required for the formation of keratin intermediate filaments in the basal epidermis and maintenance of the skin barrier in response to mechanical stress (By similarity). Regulates the recruitment of Langerhans cells to the epidermis, potentially by modulation of the abundance of macrophage chemotactic cytokines, macrophage inflammatory cytokines and CTNND1 localization in keratinocytes (By similarity).

**Cellular Location**

Cytoplasm.

**Tissue Location**

Expressed in corneal epithelium (at protein level) (PubMed:26758872). Expressed in keratinocytes (at protein level) (PubMed:20128788, PubMed:31302245).

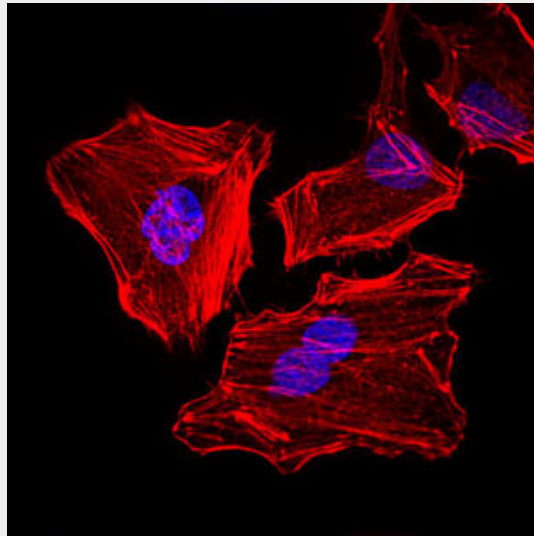
**Volume**  
50  $\mu$ l

### **KRT5 / CK5 / Cytokeratin 5 Antibody (clone 2C2) - Protocols**

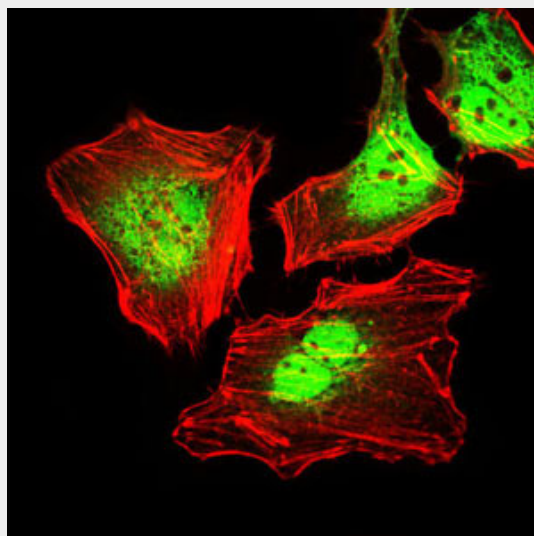
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **KRT5 / CK5 / Cytokeratin 5 Antibody (clone 2C2) - Images**



Immunofluorescence of HeLa cells.



Immunofluorescence of HeLa cells using CK5 mouse monoclonal antibody (green).

**KRT5 / CK5 / Cytokeratin 5 Antibody (clone 2C2) - References**

Eckert R.L.,et al.DNA 7:337-345(1988).

Lersch R.,et al.Mol. Cell. Biol. 9:3685-3697(1989).

Whitlock N.V.,et al.Biochem. Biophys. Res. Commun. 274:149-152(2000).

Lersch R.,et al.Mol. Cell. Biol. 8:486-493(1988).

Xu Z.,et al.Clin. Exp. Dermatol. 29:74-76(2004).