

Cytokeratin 10 (Clone ZM185)

Mouse Monoclonal Antibody

Specificity: Human, monkey, and rabbit. Does not react with rat. Others-not known

Immunogen: Recombinant human KRT10 protein

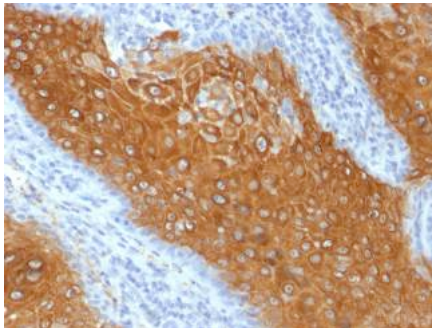
Ig Class: IgG1/ κ

Storage: Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit immunoglobulin detection system. *Working dilution:* 1:100-200; *Positive Control:* Squamous cell carcinoma. *Cellular Localization:* Cytoplasmic. *Intended Use:* In vitro diagnosis (IVD).

Description: This MAb recognizes a protein of 56.5kDa, identified as cytokeratin 10 (CK10). CK10 is expressed in all suprabasal layers of the epidermis. In the epidermis, expression of CK10 strictly parallels the extent of differentiation; it is absent in the basal layer, appears in the first suprabasal layers and increases in concentration towards the granular layer. However, CK10 is rarely detected in early stages of vulvar squamous carcinomas (tumors less than 2 cm, clinical stage I) regardless of the tumor grade. In larger and more advanced tumors (greater than 2 cm, clinical stages II and III), CK10 is detected very frequently. Expression of CK10 is related to maturation of malignant keratinocytes, being preferentially detected in more-differentiated parts.

Supplied As: Purified antibody with 0.2% BSA and 15mM sodium azide.

**References:**

1. Moll, R. et al. *Histochem Cell Biol.* 2008; 129:705-733.
2. Kurokawa I, et al. *Experimental Dermatol.* 2011; 20:217-228.
3. Moll R, et al. *Subcell Biochem.* 1998; 31:205-262.

Formalin-fixed, paraffin-embedded human skin stained with anti-keratin 8 antibody using peroxidase-conjugate and DAB chromogen. Note the cytoplasmic staining of squamous epithelium

Cat. #Z2498 (1.0 ml)

ZETA Corporation
65 N 1st Ave, Ste 202C
Arcadia, CA 91006, USA
Tel: (626) 355-2053
<http://www.zeta-corp.com>



Zeta Corporation



Emergo Europe B.V.
Prinsessegracht 20
2514 AP The Hague
The Netherlands
Tel: +31 70 345 8570