Cytokeratin 8 (Clone ZM123)
Mouse Monoclonal Antibody

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

**Immunogen:** Recombinant full-length human KRT8 protein

Ig Class: Mouse IgG

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 deperaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit immunoglobulin detection system. *Working dilution*: 1:100-200; *Positive Control*: Breast carcinoma. *Cellular Localization*: Cytoplsmic. *Intended Use*: In vitro diagnosis (IVD).

Description: Cytokeratin 8 (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). CK8 is primarily found in the non-squamous epithelia and is present in majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas. Hepatocellular carcinomas are defined by the use of antibodies that recognize only cytokeratin 8 and 18. CK8 exists on several types of normal and neoplastic epithelia, including many ductal and glandular epithelia such as colon, stomach, small intestine, trachea, and esophagus as well as in transitional epithelium. Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 and CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular ("ring-like, perinuclear") from ductal ("peripheral-predominant") carcinoma of the breast.

Supplied As*: Purified antibody with 0.2% BSA and 15mM sodium azide.
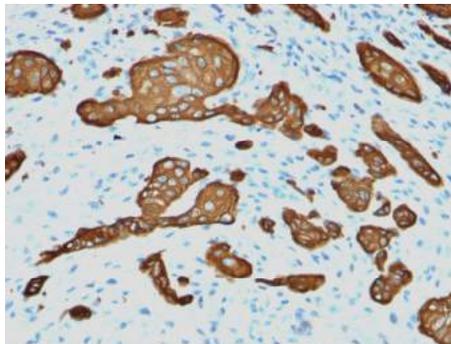
Formalin-fixed, paraffin-embedded human basal cell carcinoma stained with anti-keratin 8 antibody using peroxidase-conjugate and DAB chromogen. Note the cytoplasmic staining of tumor cells

Cat. #Z2433 (1.0 ml)

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

CE | IVD |

| EC | REP |

Zeta Corporation

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