

# MUC-1 (ZR435)

## Rabbit monoclonal Antibody

**Host:** Rabbit  
**Specificity:** Human  
**Immunogen:** Recombinant full-length human MUC1 protein  
**Ig Class:** IgG  
**Storage:** Store at 2-8°C for up to 2 years for concentrate form and 18 months for predilute form.

**Specifications:** MUC-1 (ZR435) Rabbit monoclonal primary antibody detects MUC-1 protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.

Staining procedures: Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain MUC-1 protein.

Localization: Cytoplasmic.

**Intended Use:** Research Use Only (RUO). This antibody is not for diagnostic use.

**Description:** It migrates at a MW range of 265-400 kDa upon electrophoretic protein separation, identified as different glycoforms of EMA. EMA is thought to provide a protective layer on epithelial cells against bacterial and enzyme attack. EMA is expressed by many carcinomas. The anti-EMA mAb binds to normal and neoplastic cells from various tissues, including mammary epithelium, sweat glands and colorectal carcinoma. Hepatocellular carcinoma, adrenal carcinoma and embryonal carcinomas are commonly found EMA negative,. EMA binding is frequently observed in meningioma tissue,. Antibody to EMA is capable of recognizing cells of early metastatic loci of carcinoma in bone marrow or liver.

**Supplied As:** Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

### References:

1. Arciniegas E, et al. Histol Histopathol. 2015; 30:453-63.
2. Mino-Kenudson M, et al. Arch Pathol Lab Med. 2007; 131:86-90.
3. Kaira K, et al. Virchows Arch. 2011; 458:615-20.



Z2791RL-R/ Z2791RS-R/ Z2791RT-R/ Z2791RP-R (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)



605 E. Huntington Dr.,  
Suite 204  
Monrovia, CA 91016  
Tel: (626) 355-2053  
<http://www.zeta-corp.com>



(research  
use only)



(lot number)



(catalogue  
number)



(expiry date)



(temperature  
limit)



(consult  
Instructions  
for Use)