



Cytokeratin 19 Mouse Monoclonal Antibody

E10-20283

Background: Cytokeratin 19, also known as KRT19, CK19, K1CS, MGC15366. Entrez Protein NP_002267. It is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis.

Catalog Number: E10-20283

Amount: 100µg/100µl

Clone Number: 9H8G6

Species: Mouse IgG1

MW: 44kDa

Aliases: CK19; K1CS; MGC15366; KRT19

Entrez Gene: 3880

Immunogen: Purified recombinant fragment of Cytokeratin 19 (aa80-400) expressed in E. Coli.

Storage: Store at 4 °C for long term storage, store at 20 °C for 6 months

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB,IHC , ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB.1/500 - 1/2000.IHC.1/200 - 1/1000.ELISA. Propose dilution 1/10000.

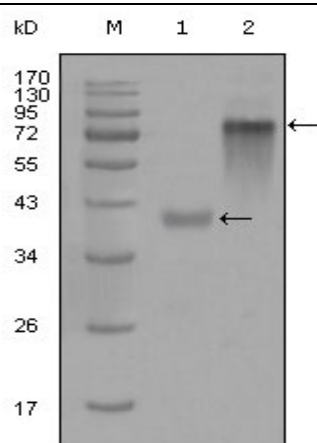


Figure 1. Western blot analysis using anti-KRT19 monoclonal antibody against truncated KRT19-His recombinant protein (1) and full-length KRT19(aa1-400)-hlgGfc transfected CHO-K1 cell lysate(2).

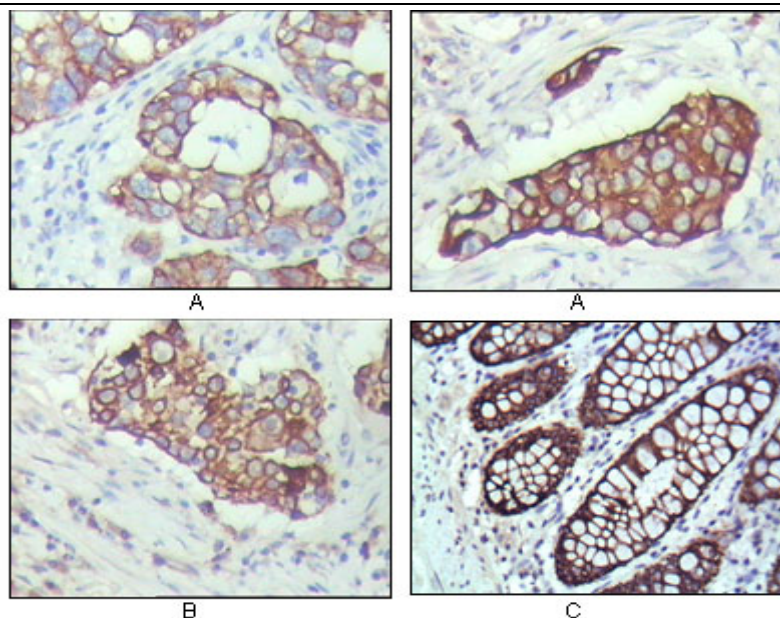


Figure 2. Immunohistochemical analysis of paraffin-embedded human breast carcinoma(A), lung cancer(B) and normal colon tissue(C), showing cytoplasmic localization with DAB staining using KRT19 mouse mAb.

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