

## 36-2693: Anti-Cytokeratin 19 (KRT19) (Pancreatic Stem Cell Marker) Monoclonal Antibody(Clone: BA17)

|                                |  |
|--------------------------------|--|
| <b>Clonality :</b>             | Monoclonal                                       |
| <b>Clone Name :</b>            | BA17   |
| <b>Application :</b>           | WB,FACS,IF,IHC                                   |
| <b>Reactivity :</b>            | Human, Mouse                                     |
| <b>Gene :</b>                  | KRT19  |
| <b>Gene ID :</b>               | 3880   |
| <b>Uniprot ID :</b>            | P08727   |
| <b>Alternative Name :</b>      | k19; k1cs; Keratin 19 Keratin Type i 40kD; krt19 |
| <b>Isotype :</b>               | Mouse IgG1, kappa                                |
| <b>Immunogen Information :</b> | Human mammary epithelial organoids.              |

### Description

This Ab reacts with the rod domain of human cytokeratin 19 (CK19), a polypeptide of 40kDa. CK19 is expressed in sweat gland, mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, and ectocervical epithelium. Anti-CK19 reacts with a wide variety of epithelial malignancies including adenocarcinomas of the colon, stomach, pancreas, biliary tract, liver, and breast. Perhaps the most useful application is the identification of thyroid carcinoma of the papillary type, although 50%-60% of follicular carcinomas are also labeled. Anti-CK19 is a useful marker for detection of tumor cells in lymph nodes, peripheral blood, bone marrow and breast cancer.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 20 µg / 100 µg  |
| <b>Content :</b>           | 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| <b>Storage condition :</b> | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.                               |

### Application Note

Western Blot (1-2ug/ml); Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

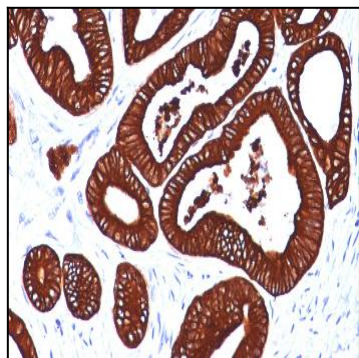


Fig. 1: Formalin-fixed, paraffin-embedded human Colon stained with Cytokeratin 19 Mouse Monoclonal Antibody (BA17)

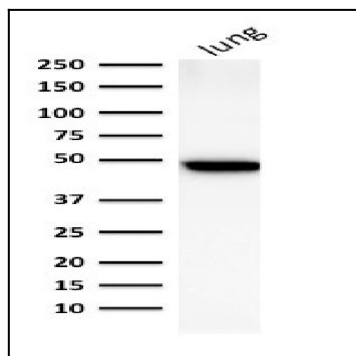


Fig. 2: Western Blot Analysis of human lung lysate using Cytokeratin 19 Mouse Monoclonal Antibody (BA17).

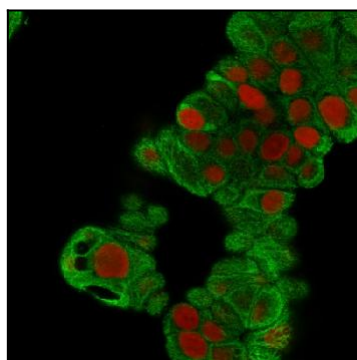


Fig. 3: Immunofluorescence Analysis of MeOH-fixed MCF-7 cells. Cytokeratin 19 Mouse Monoclonal Antibody (BA17) followed by goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red)

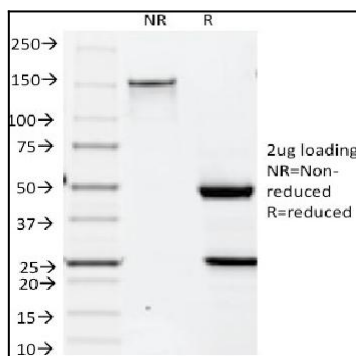


Fig. 4: SDS-PAGE Analysis Purified Cytokeratin 19 Mouse Monoclonal Antibody (BA17). Confirmation of Integrity and Purity of Antibody.