9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

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

Clonality :	Monoclonal
Clone Name :	BA17
Application :	WB,FACS,IF,IHC
Reactivity :	Human, Mouse
Gene :	KRT19
Gene ID :	3880
Uniprot ID :	P08727
Alternative Name :	k19; k1cs; Keratin 19 Keratin Type i 40kD; krt19
Isotype :	Mouse IgG1, kappa
Immunogen Information :	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, althoÂµgh 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

Amount :	20 µg / 100 µg
Content :	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.
Storage condition :	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&degC followed by cooling at RT for 20 minutes);

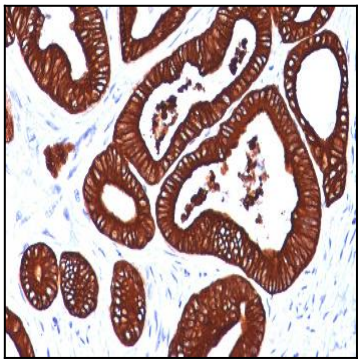

Fig. 1: Formalin-fixed, paraffin-embedded human Colon stained with Cytokeratin 19 Mouse Monoclonal Antibody (BA17)

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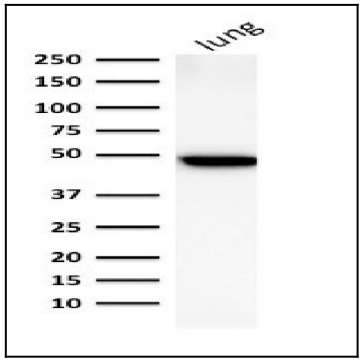

Fig. 2: Western Blot Analysis of human lung lysate using Cytokeratin 19 Mouse Monoclonal Antibody (BA17).

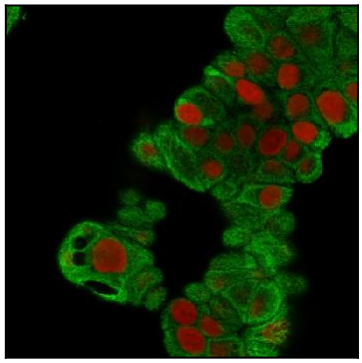

Fig. 3: Immunofluorescence Analysis of MeOH-fixed MCF-7 cells. Cytokeratin 19 Mouse Monoclonal Antibody (BA17) followed by goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red)

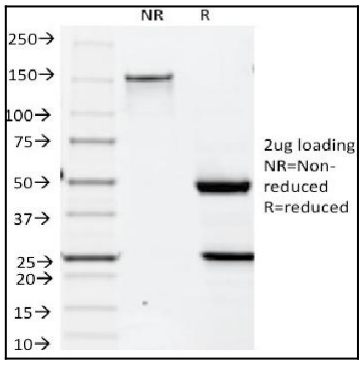

Fig. 4: SDS-PAGE Analysis Purified Cytokeratin 19 Mouse Monoclonal Antibody (BA17). Confirmation of Integrity and Purity of Antibody.