

12-1157: Anti-Cytokeratin 19 (KRT19) (Pancreatic Stem Cell Marker) Recombinant Mouse Monoclonal Antibody (Clone:rKRT19/799)

Clonality :	Monoclonal
Clone Name :	rKRT19/799
Application :	FACS,IF,WB,IHC
Reactivity :	Human
Gene :	KRT19
Gene ID :	3880
Uniprot ID :	P08727
Format :	Purified
Alternative Name :	k19; k1cs; Keratin 19 Keratin Type i 40kD; krt19
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant full-length human KRT19 protein

Description

This MAb reacts with the rod domain of human cytokeratin-19 (CK19), a polypeptide of 40kDa. Its epitope maps between amino acid 312-335. 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

Amount :	20 µg / 100 µg
Purification :	Protein A/G
Content :	200µg/ml of recombinant MAb purified 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

Flow Cytometry (1-2 \times 10⁵µg/million cells); Immunofluorescence (1-2 \times 10⁵µg/ml); Western Blot (1-2 \times 10⁵µg/ml); Immunohistochemistry (Formalin-fixed) (1-2 \times 10⁵µg/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);

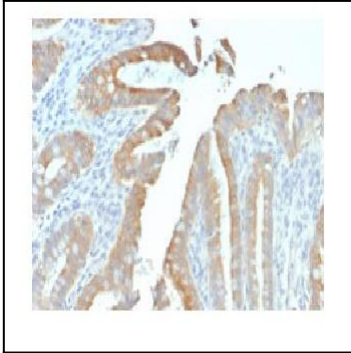


Figure 1: Formalin-fixed, paraffin-embedded Human Colon stained with Cytokeratin 19 Mouse Recombinant Monoclonal Antibody (rKRT19/799).

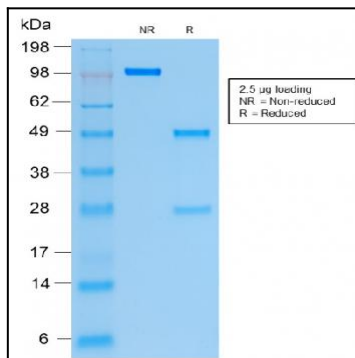


Figure 2: SDS-PAGE Analysis Purified Cytokeratin 19 Mouse Recombinant Monoclonal Antibody (rKRT19/799).