Recombinant Cytokeratin 19 (KRT19) (Pancreatic Stem Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone rKRT19/799]

Catalog No	Format	Size
3880-MSM10-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3880-MSM10-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3880-MSM10-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

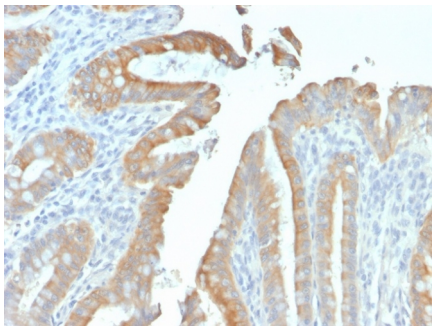
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

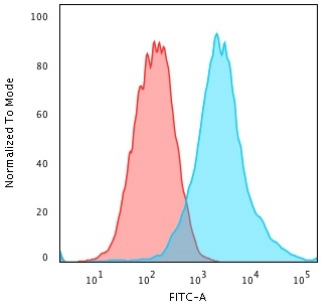
Clone	rKRT19/799
Gene Name	KRT19
Immunogen	Recombinant human full-length KRT19 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	40kDa
Species Reactivity	Human
Positive Control	HeLa, Hep-G2 cells. Human breast cancer tissue., MCF-7. Human Skin.

**Optimal dilution for a specific application should be determined.*

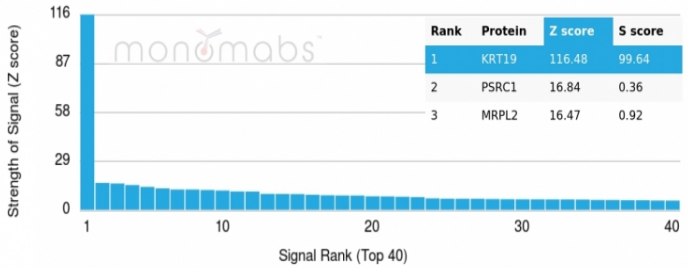
Product Images for Recombinant Cytokeratin 19 (KRT19) (Pancreatic Stem Cell Marker) Antibody



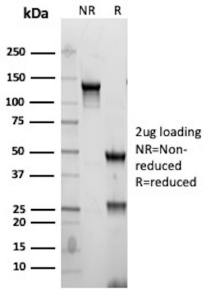
Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Cytokeratin 19 Mouse Recombinant Monoclonal Antibody (rKRT19/799).



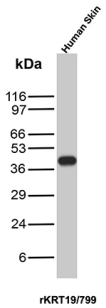
Flow Cytometric Analysis of PFA-fixed MCF-7 cells using Cytokeratin 19 Mouse Recombinant MAb (rKRT19/799) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



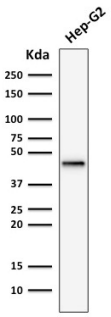
Analysis of Protein Array containing more than 19,000 full-length human proteinsusing Cytokeratin 19 Monospecific Recombinant Mouse Monoclonal Antibody (rKRT19/799).Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE Analysis of Purified Keratin, type I cytoskeletal 19 Recombinant Mouse Monoclonal Antibody (rKRT19/799). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of Human Skin tissue lysate using Cytokeratin 19 Mouse Recombinant Monoclonal Antibody (rKRT19/799).



Western Blot Analysis of human Hep-G2 cell lysate using Cytokeratin 19 Recombinant Mouse Monoclonal Antibody (rKRT19/799).

Specificity & Comments

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.

Supplied As

200ug/ml of Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

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. No MSDS required.

Research Areas

Autophagy, Cardiovascular, Developmental Biology, Stem Cell Differentiation

Limitations and Warranty