Cytokeratin 19 (Pancreatic Stem Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone KRT19/800]

Catalog No	Format	Size
3880-MSM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3880-MSM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3880-MSM5-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

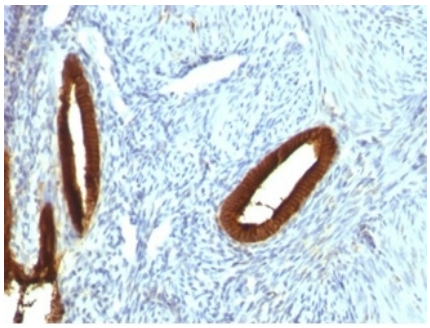
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling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

Product Details

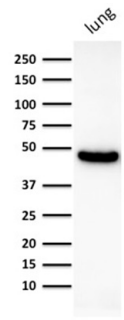
Clone	KRT19/800
Gene Name	KRT19
Immunogen	Recombinant full-length human KRT19 protein.
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	40kDa
Species Reactivity	Human, Mouse, Rat
Positive Control	MCF-7 or HeLa cells. Breast cancer tissues.

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

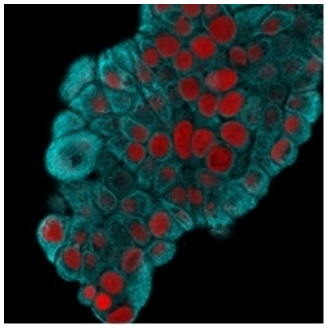
Product Images for Cytokeratin 19 (Pancreatic Stem Cell Marker) Antibody



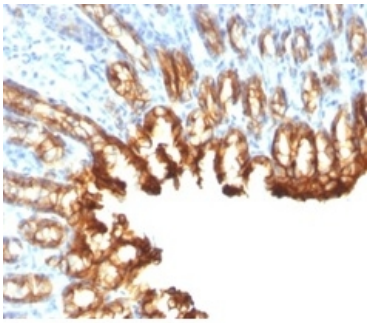
Formalin-paraffin human endometrial carcinoma stained with Cytokeratin 19 Mouse Monoclonal Antibody (KRT19/800).



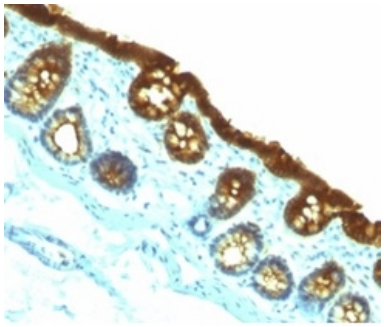
Western blot analysis of human lung tissue lysate using Cytokeratin 19 Mouse Monoclonal Antibody (KRT19/800).



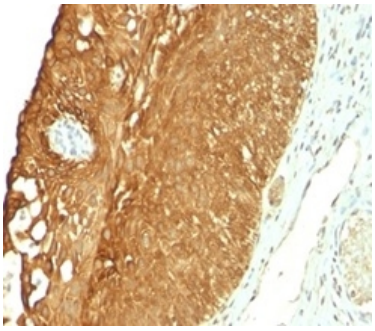
Immunofluorescence Analysis of MeOH-fixed MCF-7 cells labeling CK19. Cytokeratin 19 Mouse Monoclonal Antibody (KRT19/800) followed by goat anti-mouse IgG-CF488 (cyan). Nuclear counterstain is RedDot (red).



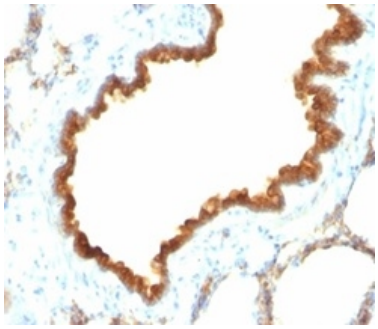
Formalin-fixed, paraffin-embedded rat stomach stained with Cytokeratin 19 Mouse Monoclonal Antibody (KRT19/800).



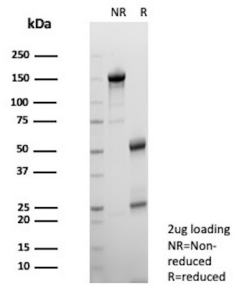
Formalin-fixed, paraffin-embedded rat colon stained with Cytokeratin 19 Mouse Monoclonal Antibody (KRT19/800).



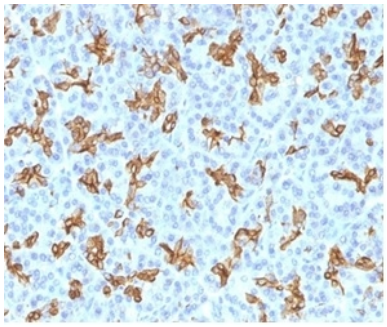
Formalin-fixed, paraffin-embedded human cervical carcinoma stained with Cytokeratin 19 Mouse Monoclonal Antibody (KRT19/800).



Formalin-fixed, paraffin-embedded rat lung stained with Cytokeratin 19 Mouse Monoclonal Antibody (KRT19/800).



SDS-PAGE Analysis of Purified KRT19 Mouse Monoclonal Antibody (KRT19/800). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human pancreas stained with Cytokeratin 19Mouse Monoclonal Antibody (KRT19/800).

Specificity & Comments

Recognizes a protein of 40kDa, identified as cytokeratin-19 (CK19), which 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 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 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

Cardiovascular, Developmental Biology, Stem Cell Differentiation

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.