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

Mouse Monoclonal Antibody [Clone A53-B/A2.26]

Catalog No	Format	Size
3880-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3880-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3880-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

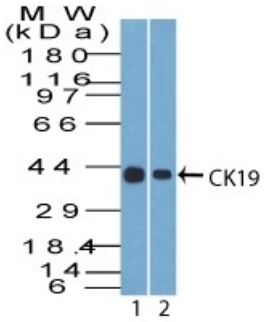
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling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

Product Details

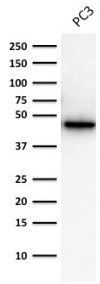
Clone	A53-B/A2.26
Gene Name	KRT19
Immunogen	Human breast cancer MCF-7 cells
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Lambda
Mol. Weight of Antigen	40kDa
Species Reactivity	Human
Positive Control	Breast cancer tissue., HeLa or Hep-G2 cells, MCF-7

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

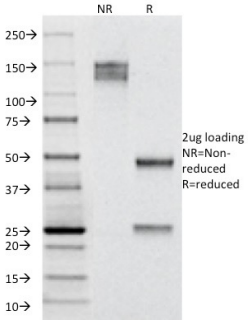
Product Images for Cytokeratin 19 (KRT19) (Pancreatic Stem Cell Marker) Antibody



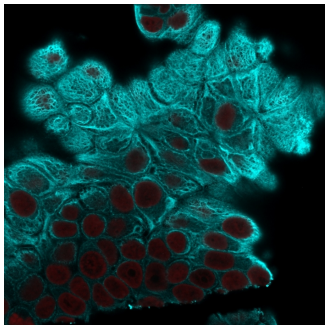
Western blot 1) Hep-G2 and 2) MCF-7 cell lysateusing of Cytokeratin 19 Mouse Monoclonal Antibody (A53-B/A2.26).



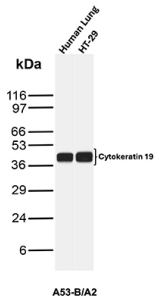
Western Blot Analysis of human Prostate Cancer PC-3 cell lysate Cytokeratin 19 Mouse Monoclonal Antibody (A53-B/A2.26).



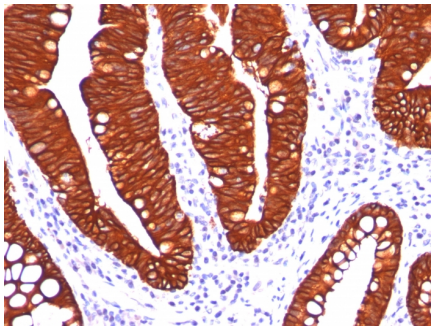
SDS-PAGE Analysis Purified Cytokeratin 19 Mouse Monoclonal Antibody (A53-B/A2.26).Confirmation of Integrity and Purity of Antibody.



Immunofluorescence Analysis of MCF-7 cells labeling Cytokeratin 19 with Cytokeratin 19 Mouse Monoclonal Antibody (A53-B/A2.26) followed by Goat anti-mouse IgG-CF488 (Cyan). The nuclear counterstain is Reddot (Red)



Western blot analysis of human lung tissue lysates and HT-29 cell lysates using KRT19 Mouse Monoclonal Antibody (A53-B/A2.26).



Formalin-fixed, paraffin-embedded colon carcinoma stained with Cytokeratin 19 Mouse Monoclonal Antibody (A53-B/A2.26).

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 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

Autophagy, 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.

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