

Product datasheet for **AM50133PU-T**

Cytokeratin 18 (KRT18) Mouse Monoclonal Antibody [Clone ID: SPM510]

Product data:

Product Type: Primary Antibodies

Clone Name: SPM510

Applications: FC, IF, IHC, IP, WB

Recommended Dilution: **Flow Cytometry:** 0.5-1 µg/million cells.

Immunofluorescence: 1-2 µg/ml.

Western Blotting: 0.5-1 µg/ml.

Immunoprecipitation: 1-2 µg/500 µg protein lysate.

Immunohistochemistry on Formalin-fixed Sections: 0.5-1.0 µg/ml for 30 minutes at RT.

Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes.

Recommended Positive Control: MCF-7, HeLa cells, Breast Cancer.

Reactivity: Human

Host: Mouse

Isotype: IgG1

Clonality: Monoclonal

Immunogen: Human breast cancer PMC 42 cells.

Specificity: This Monoclonal Antibody reacts with a wide variety of simple epithelia. It does not react with stratified squamous epithelia. It reacts with epithelial tumors of the gastrointestinal tract, lung, breast, pancreas, ovary, and thyroid. Cytokeratin 18, which belongs to the type A (acidic) subfamily of low molecular weight keratins, exists in combination with cytokeratin 8. It was reported that tissues from gastrointestinal tract are positive for both cytokeratin 8 and 18 but do not contain cytokeratin 14. Tissues from gastrointestinal tract, respiratory tract and urogenital tract, as well as endocrine and exocrine tissues and mesothelial cells are positive for cytokeratin 18.

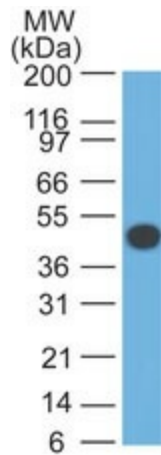
Cellular Localization: Cytoplasmic.

Negative Species: Mouse, Rat, Hamster, Cow, Dog, Pig, and Sheep.

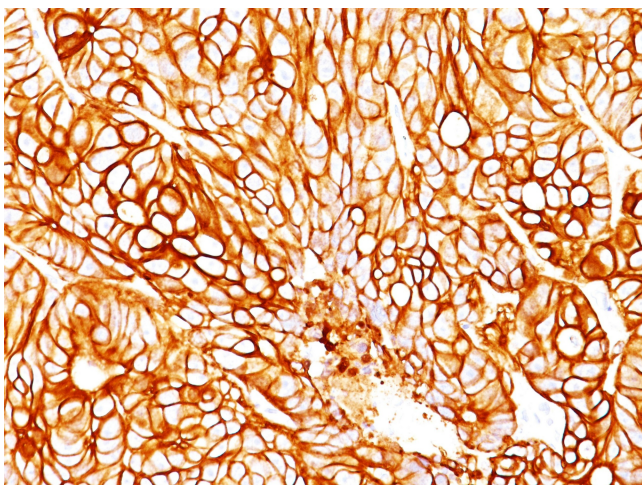


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Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	45 kDa
Gene Name:	keratin 18
Database Link:	Entrez Gene 3875 Human P05783
Synonyms:	Cytokeratin-18, CK18, Keratin-18, Keratin 18, KRT18, CYK18, K18

Product images:


Western blot in HeLa lysate using Cytokeratin 18 Antibody (Clone SPM510).



Formalin-Paraffin colon cancer stained with Cytokeratin 18 Antibody (Clone SPM510).