

Datasheet for ABIN6939940

Recombinant anti-Cytokeratin 19 antibody

5 Images

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Overview

Quantity:	100 µg
Target:	Cytokeratin 19 (KRT19)
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This Cytokeratin 19 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human full-length KRT19 protein
Clone:	RKRT19-799
Isotype:	IgG1 kappa
Specificity:	<p>This MAb reacts with the rod domain of human cytokeratin-19 (CK19), a polypeptide of 40 kDa. 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.</p>

Product Details

Anti-CK19 is a useful marker for detection of tumor cells in lymph nodes, peripheral blood, bone marrow and breast cancer.

No Cross-Reactivity: Ferret, Rat (*Rattus*)

Purification: Purified by Protein A/G

Target Details

Target: Cytokeratin 19 (KRT19)

Alternative Name: KRT19 ([KRT19 Products](#))

Molecular Weight: 40kDa

Gene ID: 3880

UniProt: [P08727](#)

Application Details

Application Notes: Positive Control: MCF-7, HeLa, Hep-G2 cells, Breast Cancer.
Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

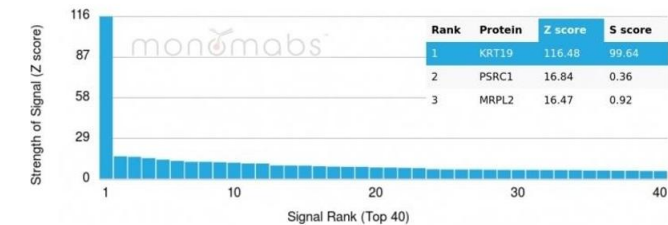
Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

Storage Comment: 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.

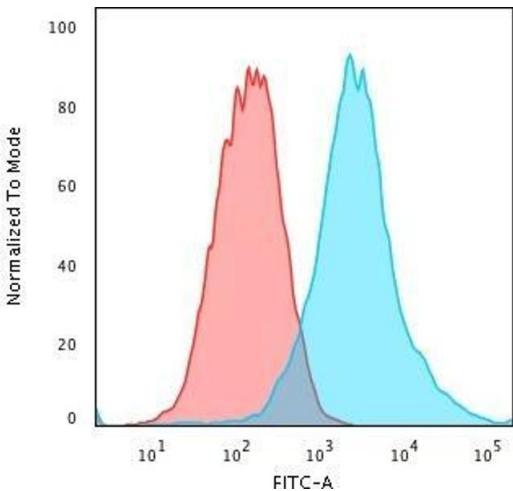


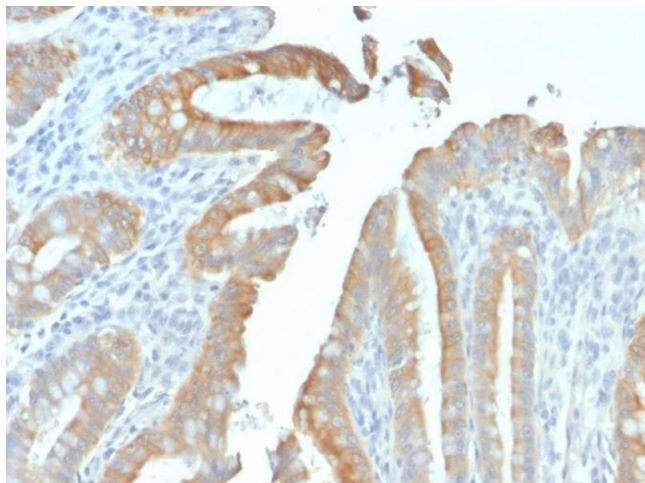
Protein Array

Image 1. Analysis of Protein Array containing more than 19,000 full-length human proteins using 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 HuProt™ 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 HuProt™ 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.

Flow Cytometry

Image 2. 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).





Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Cytokeratin 19 Mouse Recombinant Monoclonal Antibody (rKRT19/799).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6939940.