



# Cytokeratin 19 (KRT19) (Pancreatic Stem Cell Marker); Clone BA17 (Concentrate)

<b>Availability/Contents:</b>	<u>Item #</u>	<u>Volume</u>
<b>Description:</b>	RA0191-C.5	0.5 ml
Species:	Mouse	
Immunogen:	Human mammary epithelial organoids.	
Clone:	BA17	
Isotype:	IgG1, kappa	
Entrez Gene ID:	3880 (Human)	
Hu Chromosome Loc.:	17q21.2	
Synonyms:	k19; k1cs; Keratin 19 Keratin Type i 40kD; krt19	
Mol. Weight of Antigen:	40kDa	
Format:	200µg/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 1mM PBS with 0.05% BSA & 0.05% azide.	
Specificity:	This antibody reacts with the rod domain of human cytokeratin-19 (CK19), a polypeptide of 40kDa.	
Background:	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.	
Species Reactivity:	Human and Mouse. Others not known.	
Positive Control:	MCF-7, HeLa cells, breast cancer.	
Cellular Localization:	Cytoplasmic	
Titer/ Working Dilution:	Immunohistochemistry (Frozen and Formalin-fixed): 0.5-1 µg/ml	
	Flow Cytometry:	0.5-1 µg/million cells
	Immunofluorescence:	1-2 µg/ml
	Western Blotting:	0.5-1 µg/ml
	Immunoprecipitation:	1-2 µg/500µg protein lysate
Microbiological State:	This product is not sterile.	

Storage: 2° C  8° C

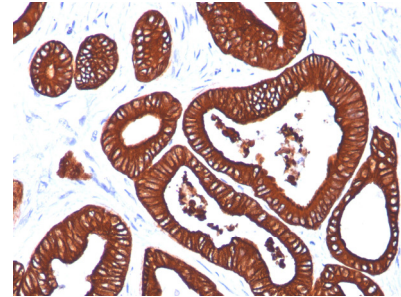


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 2513 BH Hague, The Netherlands

**Uses/Limitations:** Not to be taken internally.  
For Research Use Only.  
This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.  
Do not use if reagent becomes cloudy.  
Do not use past expiration date.  
Non-Sterile.



**Ordering Information and Current Pricing at [www.scytek.com](http://www.scytek.com)**

Formalin-fixed, paraffin-embedded colon stained with Cytokeratin 19; Clone BA17.

**Procedure:**

- Tissue Section Pretreatment (Required):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by pretreatment with Citrate Plus (ScyTek catalog# CPL500).
- Primary Antibody Incubation Time:** We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.
- Visualization:** For maximum staining intensity we recommend the “UltraTek HRP Anti-Polyvalent Lab Pack” (ScyTek catalog# UHP125, see IFU for instructions) combined with the “DAB Chromogen/Substrate Bulk Pack (High Contrast)” (ScyTek catalog# ACV500, see IFU for instructions).


**Precautions:** Contains Sodium Azide as a preservative (0.09% w/v).  
Do not pipette by mouth.  
Avoid contact of reagents and specimens with skin and mucous membranes.  
Avoid microbial contamination of reagents or increased nonspecific staining may occur.  
This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.


**References:**

- Morton JP et. al. Am J Pathol 172:1081-7 (2008).
- Olofsson MH et. al. Clin Cancer Res 13:3198-206 (2007).
- Aleksic T et. al. Gut 56:227-36 (2007).
- Nightingale J et. al. J Am Soc Nephrol 15:21-32 (2004).
- Lewis BC et. al. Genes Dev 17:3127-38 (2003).
- Bartek J et. al. J Cell Sci 75:17-33 (1985).
- Bartek J et. al. Int J Cancer 36:299-306 (1985).

**Warranty:**

No products or “Instructions For Use (IFU)” are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our IFU or website. Our warranty is limited to the actual price paid for the product. ScyTek Laboratories, Inc. is not liable for any property damage, personal injury, time or effort or economic loss caused by our products. Immunohistochemistry is a complex technique involving both histological and immunological detection methods. Tissue processing and handling prior to immunostaining can cause inconsistent results. Variations in fixation and embedding or the inherent nature of the tissue specimen may cause variations in results. Endogenous peroxidase activity or pseudoperoxidase activity in erythrocytes and endogenous biotin may cause non-specific staining depending on detection system used.

Storage: 2° C  8° C



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