




Cytokeratin 14 (KRT14) (Squamous Cell Marker); Clone LL002 (Concentrate)

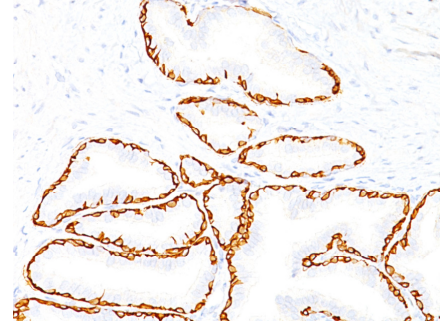
Availability/Contents:	<u>Item #</u> RA0181-C.5	<u>Volume</u> 0.5 ml
Description:		
Species:	Mouse	
Immunogen:	A synthetic peptide of 15 amino acids from the C-terminus of human keratin 14.	
Clone:	LL002	
Isotype:	IgG3	
Entrez Gene ID:	3861 (Human); 16664 (Mouse)	
Hu Chromosome Loc.:	17q21.2	
Synonyms:	CK-14; Dowling Meara; ebs3; ebs4; Epidermolysis Bullosa Simplex; k14; Keratin 14; Keratin Type I Cytoskeletal 14; Koebner; krt14; NFJ	
Mol. Weight of Antigen:	50kDa	
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:	Anti-CK14 is useful in differentiating squamous cell carcinomas from poorly differentiated epithelial tumors. Anti-CK14 is one of the specific basal markers for distinguishing between basal and non-basal subtypes of breast carcinomas. Anti-CK14 is also a good marker for differentiation of intraductal from invasive salivary duct carcinoma by the positive staining of basal cells surrounding the in-situ neoplasm as well as for the differentiation of benign prostate from prostate carcinoma. Furthermore, this antibody has been useful in separating oncocytic tumors of the kidney from its renal mimics, and in identifying metaplastic carcinomas of the breast.	
Background:	Cytokeratin 14 (CK14) belongs to the type I (or A or acidic) subfamily of low molecular weight keratins and exists in combination with keratin 5 (type II or B or basic). CK14 is found in basal cells of squamous epithelia, some glandular epithelia, myoepithelium, and mesothelial cells.	
Species Reactivity:	Human, Mouse, and Rat. Others not known.	
Positive Control:	A431 cells. Skin or Squamous cell carcinoma.	
Cellular Localization:	Cytoplasmic	
Titer/ Working Dilution:	Immunohistochemistry (Frozen and Formalin-fixed): 1-2 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

 ScyTek Laboratories, Inc.
205 South 600 West
Logan, UT 84321
U.S.A.

  EmergoEurope (31)(0) 70 345-8570
Molsnstraat 15
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

Formalin-paraffin prostate (20X) stained with Cytokeratin 14; Clone LL002.

Procedure:

1. **Tissue Section Pretreatment (Required):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by pretreatment with Citrate Plus (ScyTek catalog# CPL500).
2. **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.
3. **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:

1. Perkins W *et. al.* J Cutaneous Pathol, 1992, 19(6):476-82.
2. Kasper M. Histochemistry, 1991, 95(6):613-20.
3. Leigh I M *et. al.* (1988) Dermatology, 91:415.

Warranty:


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Storage: 2° C  8° C



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