P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 – Tel. (435) 755-9848 - Fax (435) 755-0015 - www.scytek.com

Cytokeratin 10; Clone DE-K10
(Ready-To-Use)

Availability/Contents:

Item #	Volume
A00089-0002	2 ml
A00089-0007	7 ml
A00089-0025	25 ml

Description:

Species:	Mouse
Immunogen:	Cytoskeletal preparation extracted from human ectocervical epithelium.
Clone:	DE-K10
Isotype:	IgG1, kappa
Entrez Gene ID:	3858
Hu Chromosome Loc.:	17q21.2
Synonyms:	BCIE, BIE, EHK, Keratin Type I Cytoskeletal 10, KRT10.
Mol. Weight of Antigen:	56.5kDa
Format:	This antibody has been pretitered and quality controlled to work on formalin-fixed paraffin-embedded as well as acetone fixed cryostat tissue sections. No further titration is required.
Specificity:	This antibody recognizes a protein of 56.5kDa identified as Cytokeratin 10.
Background:	Cytokeratin 10 is expressed in all suprabasal layers of the epidermis. In the epidermis, expression of Cytokeratin 10 strictly parallels the extent of differentiation; it is absent in the basal layer, but appears in the first suprabasal layers and increases in concentration towards the granular layer. However, Cytokeratin 10 is rarely detected in early stages of vulvar squamous carcinomas (tumors less than 2 cm, clinical stage I) regardless of the tumor grade. In larger and more advanced tumors (greater than 2 cm, clinical stages II and III), Cytokeratin 10 is detected very frequently. Expression of Cytokeratin 10 is related to maturation of malignant keratinocytes, being preferentially detected in more differentiated parts.
Species Reactivity:	Human, Dog and Cat. Others not known.
Positive Control:	Esophagus or Tonsil. A431, HeLa, MCF7 cells.
Cellular Localization:	Cytoplasmic
Titer/ Working Dilution:	No further dilution is required.
Microbiological State:	This product is not sterile.

Storage: 2° C 8° C

ScyTek Laboratories, Inc.
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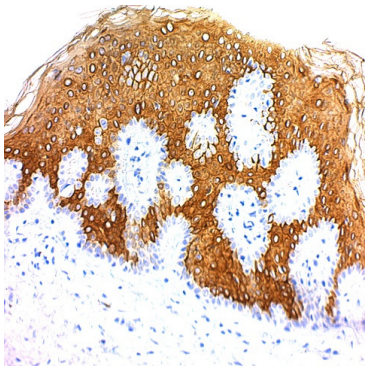
Uses/Limitations:

Not to be taken internally.
For In Vitro Diagnostic Use.
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



Human Skin Stained with Cytokeratin 10; Clone DE-K10 using UltraTek HRP and DAB Chromogen. 200X Magnification

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. Ivanyi D. et. Al. Journal of Pathology, 1989, 159:7-12.
2. Ivanyi D. et. Al. Differentiation, 1989, 42(2):124-9.

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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