



## Monoclonal Antibody to **Cytokeratin 14**

### *Technical Data Sheet*

#### Reagent Category

Monoclonal primary antibody to  
cytokeratin 14

#### Antibody Formats Supplied

- 7 ml of anti cytokeratin 14, Ready-To-Use
- 0.2 ml of anti cytokeratin 14, Concentrate

PRODUCT# IMI20661E (Ready-To-Use)

PRODUCT# IMI20652E (Concentrate)

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**IMMUNOGEN:** Human keratins

**IMMUNOGLOBULIN ISOTYPE:** IgG2a

**Clone:** LL002

**POSITIVE CONTROL TISSUE:** skin/ breast

#### **REACTIVITY**

This cytokeratin 14 antibody reacts with polypeptide cytokeratin 14 found in submandibular, breast, prostate gland organs. This antibody also reacts the basal layer off of such squamous epithelium such as laryngeal and exocervical epithelium. This antibody is compatible with formalin fixative as well as most commonly used histological fixatives, the use of this antibody on formalin fixed tissue may require enzyme predigestion.

#### **Antibody FORMATS, DILUTION and INCUBATION**

This affinity purified monoclonal anti keratin 14 antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

7 ml of pre-diluted, Ready-to-Use, **Do not dilute.** Incubate for 30 minutes to 1 hour.

0.2 ml of concentrate; For 30 minute to 1 hour incubation, dilute 1: 20-1:40; The provided dilution range are mere guidelines, the incubation time and the working titer must be determined by the end user for the tissue and the secondary staining reagents employed.

*The above dilutions and incubation times were derived by the use of Innovex STAT-Q and HISTO-STAT staining systems . For less sensitive staining systems these dilution factors may vary and they should be determined by the end user for specific staining system and staining procedure employed.*

#### **APPLICATIONS**

This antibody is intended for use in immunolocalization of cytokeratin 14 by a variety of immunoassays such as Immunocytochemistry, fluorescent labeling, ELISA, Immunoblotting and dot blotting. In immunocytochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections of human or animal tissues for the purpose of qualitative or quantitative localization of cytokeratin 14 This antibody can also be used for quantitative flow cytometric assays in the indirect method.

**CONTINUED OVER**



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**SPECIES REACTIVITY**

This antibody reactivity with human tissues has been substantiated, other species reactivity may be characterized by the end user.

**STORAGE CONDITIONS**

Store in refrigerator at 2-8°C through expiration date noted on the vial.

**IMPORTANT NOTE:**

The interpretation of test results is the sole responsibility of the end user.

***FOR IN VITRO RESEARCH USE ONLY***