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Datasheet for ABIN6941377

## anti-Cytokeratin 8/18 antibody

### 1 Image

#### Overview

Quantity:	100 µg
Target:	Cytokeratin 8/18
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Cytokeratin 8/18 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (IHC), Staining Methods (StM)

#### Product Details

Immunogen:	Cytoskeletal preparation from HeLa epithelioid carcinoma cells (B22.1) and PMC-42 breast carcinoma cells of human origin (B23.1)
Clone:	B22-1-B23-1
Isotype:	IgG1 kappa
Specificity:	Cytokeratin 8 (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). This MAb cocktail recognizes all simple epithelia including glandular epithelium, for example thyroid, female breast, gastrointestinal tract, respiratory tract, and urogenital tract including transitional epithelium. All adenocarcinomas and most squamous carcinomas are positive but keratinizing squamous carcinomas are usually negative. This antibody is useful in demonstrating the presence of Paget cells, there is very little keratin 18 in the normal epidermis so only Paget cells are stained. Immunohistochemical staining with this MAb is indistinguishable from that

## Product Details

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obtained with monoclonal antibody 5D3.

Purification: Purified by Protein A/G

## Target Details

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Target: Cytokeratin 8/18

Abstract: [Cytokeratin 8/18 Products](#)

Molecular Weight: 52.5kDa (CK8), 45kDa (CK18)

Gene ID: 3856, 3875

UniProt: [P05787](#), [P05783](#)

## Application Details

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Application Notes: Positive Control: MCF-7, HeLa, PMC-42 or A431 cells. Skin, colon, lung or breast carcinoma.  
Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (0.5-1.0 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1.0 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

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Concentration: 200 µg/mL

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

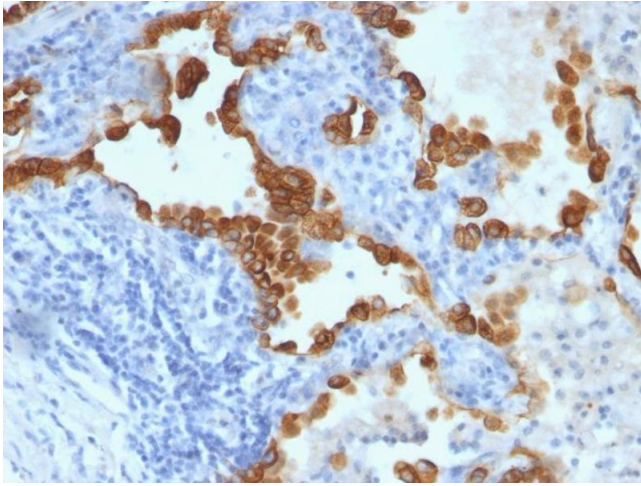
Preservative: Sodium azide

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.

Expiry Date: 24 months



### Immunohistochemistry

**Image 1.** Formalin-fixed, paraffin-embedded human Lung Carcinoma stained with Cytokeratin 8/18 Monoclonal Antibody (B22.1 + B23.1).