

Datasheet for ABIN94290  
**anti-Cytokeratin 19 antibody**

6 Images

2 Publications

[Go to Product page](#)

## Overview

Quantity:	0.1 mg
Target:	Cytokeratin 19 (KRT19)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunoprecipitation (IP)

## Product Details

Immunogen:	MCF-7 human breast adenocarcinoma cell line
Clone:	A53-B-A2
Isotype:	IgG2a
Specificity:	The mouse monoclonal antibody A53-B/A2 recognizes the rod domain of cytokeratin 19 (40 kDa), an intracellular antigen constituting intermediate cytoskeleton filaments. Cytokeratin 19 is not expressed in hepatocytes, it is often co-expressed with cytokeratin 7.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

## Target Details

Target:	Cytokeratin 19 (KRT19)
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## Target Details

Alternative Name:	Cytokeratin 19 ( <a href="#">KRT19 Products</a> )
Background:	Keratin 19, Cytokeratins are a subfamily of intermediate filaments and characterized by remarkable biochemical diversity. They are represented in epithelial tissues by at least 20 different polypeptides, molecular weight between 40 kDa and 68 kDa. The individual cytokeratin polypeptides are designated 1 to 20 and divided into the type I (acidic cytokeratins 9-20) and type II (basic to neutral cytokeratins 1-8) families., K19, CK19, CYK19, KRT19, K1CS
Gene ID:	3880
UniProt:	<a href="#">P08727</a>

## Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-5 µg/mL. Intracellular staining. Immunohistochemistry: Recommended dilution: 5-10 µg/mL. Western blotting: Recommended dilution: 1-2 µg/mL, positive control: MCF-7, BA-17, HT-29 cells.
Restrictions:	For Research Use only

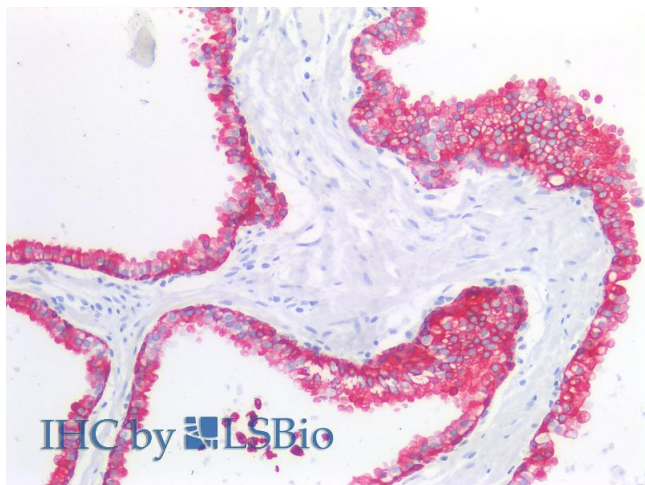
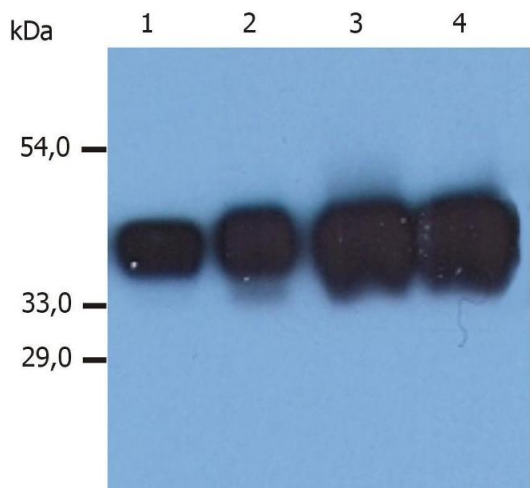
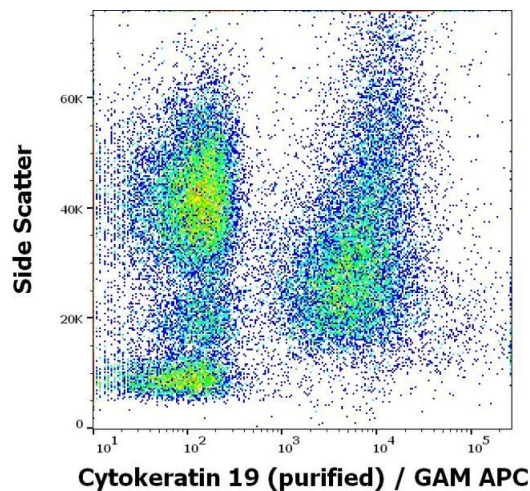
## Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium 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.
Handling Advice:	<b>Do not freeze.</b>
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

## Publications

Product cited in:	Kasper, Moll, Stosiek, Karsten: "Patterns of cytokeratin and vimentin expression in the human eye." in: <b>Histochemistry</b> , Vol. 89, Issue 4, pp. 369-77, (1988) ( <a href="#">PubMed</a> ).  Karsten, Papsdorf, Roloff, Stolley, Abel, Walther, Weiss: "Monoclonal anti-cytokeratin antibody
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from a hybridoma clone generated by electrofusion." in: **European journal of cancer & clinical oncology**, Vol. 21, Issue 6, pp. 733-40, (1985) ([PubMed](#)).



### Flow Cytometry

**Image 1.** Flow cytometry intracellular staining pattern of human peripheral whole blood spiked with MCF-7 cells stained using anti-Cytokeratin 19 (A53-B/A2) purified antibody (concentration in sample 3 µg/mL, GAM APC).

### Western Blotting

**Image 2.** Western Blotting analysis (reducing conditions) of whole cell lysate of MCF-7 human breast adenocarcinoma cell line. Lane 1,2: immunostaining with anti-human Cytokeratin 19 (BA-17) Lane 3,4: immunostaining with anti-human Cytokeratin 19 (A53-B/A2)

### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemistry staining of human prostate (paraffin sections) using anti-cytokeratin 19 (A53-B/A2).

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN94290.