

Datasheet for ABIN125676

anti-Cytokeratin 19 antibody (Biotin)**3** Images**2** Publications[Go to Product page](#)

Overview

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

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 antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.

Target Details

Target:	Cytokeratin 19 (KRT19)
Alternative Name:	Cytokeratin 19 (KRT19 Products)
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:	P08727

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-5 µg/mL, intracellular staining. Western blotting: Recommended dilution: 1-2 µg/mL.
Comment:	The purified antibody is conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
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:	Do not freeze. Avoid prolonged exposure to light.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

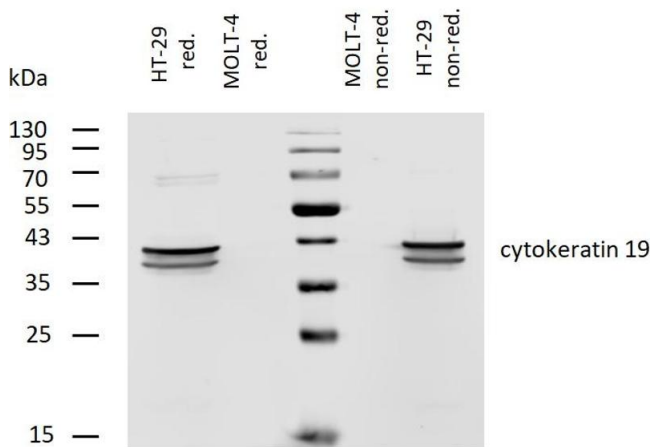
Publications

Product cited in:	Kasper, Moll, Stosiek, Karsten: "Patterns of cytokeratin and vimentin expression in the human
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eye." in: **Histochemistry**, Vol. 89, Issue 4, pp. 369-77, (1988) ([PubMed](#)).

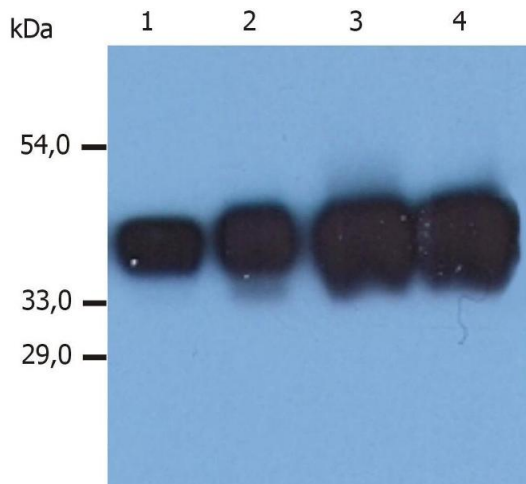
Karsten, Papsdorf, Roloff, Stolley, Abel, Walther, Weiss: "Monoclonal anti-cytokeratin antibody from a hybridoma clone generated by electrofusion." in: **European journal of cancer & clinical oncology**, Vol. 21, Issue 6, pp. 733-40, (1985) ([PubMed](#)).

Images



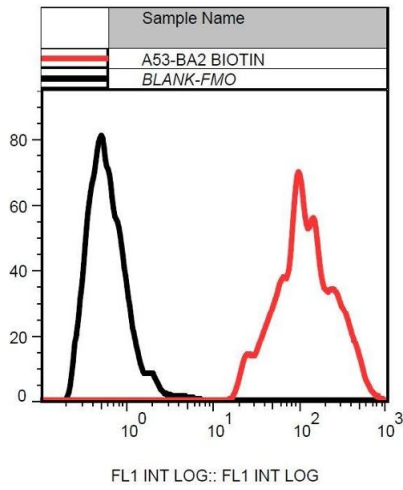
Western Blotting

Image 1. Western blotting analysis of human cytokeratin 19 using mouse monoclonal antibody A53-B/A2 on lysates of HT-29 cell line and MOLT-4 cell line (cytokeratin non-expressing cell line, negative control) under non-reducing and reducing conditions. Nitrocellulose membrane was probed with 2 µg/mL of biotinylated mouse anti-cytokeratin 19 monoclonal antibody followed by IRDye800-conjugated streptavidin. Cytokeratin 19 was detected at approximately 41 kDa.



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)



Flow Cytometry

Image 3. Flow cytometry analysis (intracellular staining) of MCF-7 human breast adenocarcinoma cell line with anti-cytokeratin 19 (A53-B/A2) biotin.