

Datasheet for ABIN2749080

anti-Cytokeratin 19 antibody (FITC)



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Overview

Quantity:	100 µg
Target:	Cytokeratin 19 (KRT19)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Cytokeratin 19 antibody is conjugated to FITC
Application:	Intracellular Flow Cytometry (ICFC)

Product Details

Purpose:	Anti-Cytokeratin 19 FITC
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 fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome 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

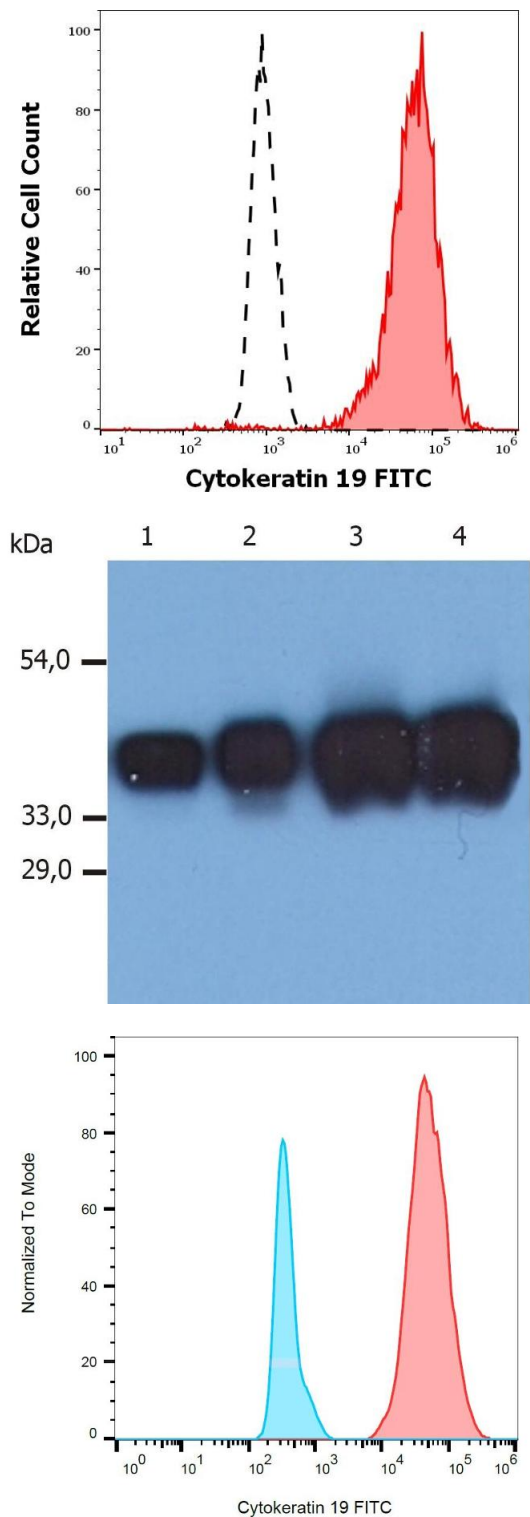
Application Notes:	Flow cytometry: Recommended dilution: 1-5 µg/mL. Intracellular staining.
Restrictions:	For Research Use only

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.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Publications

Product cited in:	Kasper, Moll, Stosiek, Karsten: "Patterns of cytokeratin and vimentin expression in the human 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).



Flow Cytometry

Image 1. Separation of MCF-7 cells stained using anti-Cytokeratin 19 (A53-B/A2) FITC antibody (concentration in sample 3 µg/mL, red-filled) from MCF-7 cells stained using mouse IgG2b isotype control (MPC-11) FITC antibody (concentration in sample 3 µg/mL, same as anti-Cytokeratin 19 FITC antibody concentration, black-dashed) in flow cytometry analysis (surface staining).

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. Separation of MCF-7 human breast adenocarcinoma cell line (red) from human peripheral whole blood (blue) in flow cytometry analysis (intracellular staining) stained using anti-human cytokeratin 19 (A53-B/A2) FITC antibody (concentration in sample 9 µg/mL).