

Datasheet for ABIN2749081
anti-KRT8 antibody (FITC)



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2 Images

1 Publication

Overview

Quantity:	100 µg
Target:	KRT8
Reactivity:	Human, Cow, Pig, Rabbit, Sheep
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KRT8 antibody is conjugated to FITC
Application:	Intracellular Flow Cytometry (ICFC)

Product Details

Purpose:	Anti-Cytokeratin 8 FITC
Immunogen:	Cytoskeleton preparation from HeLa human cervix carcinoma cell line.
Clone:	C-43
Isotype:	IgG1
Specificity:	The antibody C-43 reacts with cytokeratin 8 (52.5 kDa intracellular antigen). Cytokeratins are members of intermediate filaments subfamily represented in epithelial tissues.
No Cross-Reactivity:	Chicken, Hamster, Mouse, Rat, Xenopus laevis
Cross-Reactivity (Details):	Sheep, Human, Bovine, Rabbit, Porcine
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:	KRT8
Alternative Name:	Cytokeratin 8 (KRT8 Products)
Background:	Keratin 8,Cytokeratins are a subfamily of intermediate filaments and are 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.,K8, CK8, CYK8, KRT8, K2C8, CARD2
Gene ID:	3856
UniProt:	Q7L4M3

Application Details

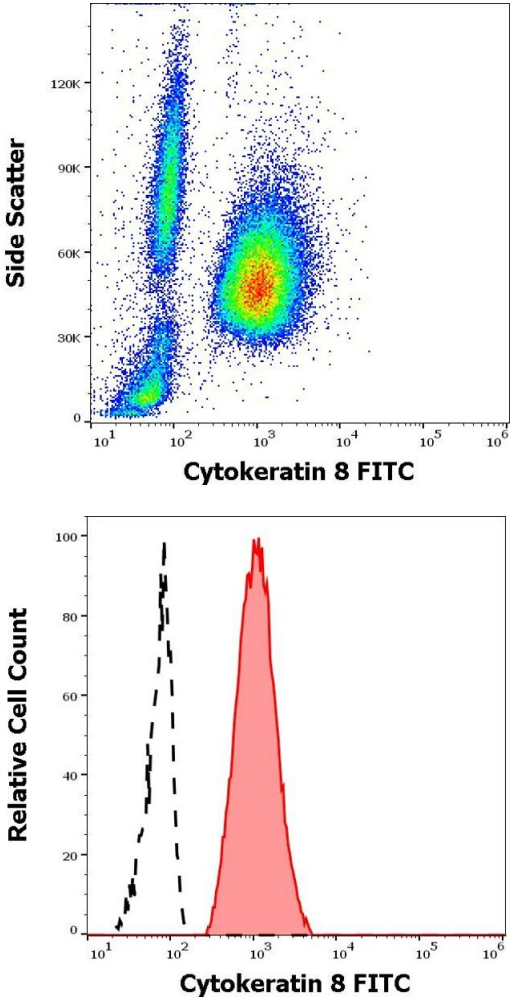
Application Notes:	Flow cytometry: Recommended dilution: 1-2 µg/mL. Intracellular staining.
Restrictions:	For Research Use only

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:	Bártek, Vojtšsek, Stasková, Bártková, Kerekés, Rejthar, Kovarik: "A series of 14 new monoclonal antibodies to keratins: characterization and value in diagnostic histopathology." in: The Journal of pathology , Vol. 164, Issue 3, pp. 215-24, (1991) (PubMed).
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Flow Cytometry

Image 1. Flow cytometry intracellular staining pattern of human peripheral whole blood mixed with A431 cellular suspension stained using anti-Cytokeratin 8 (C-43) FITC antibody (concentration in sample 9 µg/mL).

Flow Cytometry

Image 2. Separation of A431 cellular suspension (red-filled) from human leukocytes (black-dashed) in flow cytometry analysis (intracellular staining) of human peripheral whole blood mixed with A431 cellular suspension stained using anti-Cytokeratin 8 (C-43) FITC antibody (concentration in sample 9 µg/mL).