

## ARG54232 anti-Cytokeratin (pan) antibody [C-11] (FITC)

Package: 50 µg  
Store at: 4°C

### Summary

Product Description	FITC-conjugated Mouse Monoclonal antibody [C-11] recognizes Cytokeratin (pan)
Tested Reactivity	Hu, Ms, Rat, Mamm
Tested Application	FACS
Specificity	The clone C-11 reacts with Cytokeratin peptides 4, 5, 6, 8, 10, 13, 18. Cytokeratins are a member of intermediate filaments subfamily represented in epithelial tissues.
Host	Mouse
Clonality	Monoclonal
Clone	C-11
Isotype	IgG1
Target Name	Cytokeratin (pan)
Species	Human
Immunogen	Keratin-enriched preparation from human epidermoid carcinoma cell line A431.
Conjugation	FITC
Alternate Names	Keratin, type I cytoskeletal 18; Cytokeratin-18; K18; CK-18; Cell proliferation-inducing gene 46 protein; Keratin-18; CYK18

### Application Instructions

Application table	Application	Dilution
	FACS	1 µg/ml

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

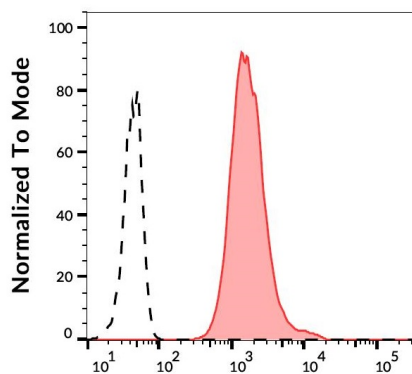
### Properties

Form	Liquid
Purification Note	The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC.
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	KRT18
Gene Full Name	keratin 18, type I
Background	Cytokeratins are a subfamily of intermediate filaments and characterized by remarkable biochemical diversity. Cytokeratins 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.
Function	Involved in the uptake of thrombin-antithrombin complexes by hepatic cells (By similarity). When phosphorylated, plays a role in filament reorganization. Involved in the delivery of mutated CFTR to the plasma membrane. Together with KRT8, is involved in interleukin-6 (IL-6)-mediated barrier protection. [UniProt]
Research Area	Controls and Markers antibody; Signaling Transduction antibody
Calculated Mw	48 kDa
PTM	Phosphorylation at Ser-34 increases during mitosis. Hyperphosphorylated at Ser-53 in diseased cirrhosis liver. Phosphorylation increases by IL-6. Proteolytically cleaved by caspases during epithelial cell apoptosis. Cleavage occurs at Asp-238 by either caspase-3, caspase-6 or caspase-7. O-GlcNAcylation increases solubility, and decreases stability by inducing proteasomal degradation.

## Images



ARG54232 anti-Cytokeratin (pan) antibody [C-11] (FITC) FACS image

Flow Cytometry: Separation of HeLa cells (red-filled) from human peripheral whole blood (black-dashed). Cells were stained with ARG54232 anti-Cytokeratin (pan) antibody [C-11] (FITC) at 3 µg/ml dilution.