

## ARG54214 anti-Cytokeratin 19 antibody [A53-B/A2] (FITC)

Package: 50 µg  
Store at: 4°C

### Summary

Product Description	FITC-conjugated Mouse Monoclonal antibody [A53-B/A2] recognizes Cytokeratin 19
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF
Specificity	The clone A53-B/A2 reacts with Rod domain of cytokeratin 19 (40 kDa) in human tissue. Cytokeratin 19 is not expressed in hepatocytes; it is often co-expressed with cytokeratin 7.
Host	Mouse
Clonality	Monoclonal
Clone	A53-B/A2
Isotype	IgG2a
Target Name	Cytokeratin 19
Species	Human
Immunogen	MCF-7 human breast adenocarcinoma cell line
Conjugation	FITC
Alternate Names	Cytokeratin-19; K19; CK-19; K1CS; Keratin-19; CK19; Keratin, type I cytoskeletal 19

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 5 µg/ml
	ICC/IF	Assay-dependent

**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.

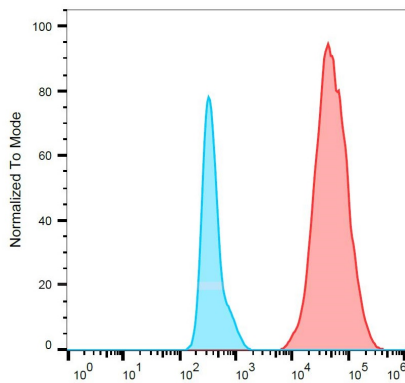
Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

---

Database links	<a href="#">GeneID: 3880 Human</a> <a href="#">Swiss-port # P08727 Human</a>
Gene Symbol	KRT19
Gene Full Name	keratin 19, type I
Background	Cytokeratin 19 is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelops the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21. [provided by RefSeq, Jul 2008]
Function	Cytokeratin 19 involved in the organization of myofibers. Together with KRT8, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle. [UniProt]
Highlight	Related products: <a href="#">Cytokeratin 19 antibodies: Anti-Mouse IgG secondary antibodies:</a> Related news: <a href="#">Therapeutic strategies against PDAC</a>
Research Area	Signaling Transduction antibody
Calculated Mw	44 kDa

## Images



ARG54214 anti-Cytokeratin 19 antibody [A53-B/A2] (FITC) FACS image

Flow Cytometry: Separation of MCF7 cells (red) from human peripheral whole blood (blue). Cells were stained with ARG54214 anti-Cytokeratin 19 antibody [A53-B/A2] (FITC) at 9 µg/ml dilution.