

## ARG62979 anti-Cytokeratin 19 antibody [A53-B/A2]

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [A53-B/A2] recognizes Cytokeratin 19
Tested Reactivity	Hu
Tested Application	ELISA, FACS, ICC/IF, IHC-P, IP, WB
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	Un-conjugated
Alternate Names	Cytokeratin-19; K19; CK-19; K1CS; Keratin-19; CK19; Keratin, type I cytoskeletal 19

### Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	FACS	1 - 5 µg/ml
	ICC/IF	1:200
	IHC-P	5 - 10 µg/ml
	IP	Assay-dependent
	WB	1 - 2 µg/ml

**Application Note** IHC-P: Antigen Retrieval: Boil tissue section in 10mM Citrate buffer (pH 6.0) or EDTA pH 8 for 10-20 min followed by cooling at RT for 20 min. Or perform enzymatic antigen retrieval with pepsin at 1mg/ml Tris-HCl, pH 2.0 for 10-15 min at or trypsin at 1mg/ml TrisHCl (or PBS), pH 7.4 for 10-15 min at RT. \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

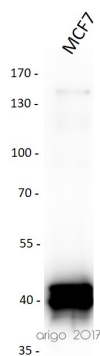
Form	Liquid
Purification	Purified from hybridoma culture supernatant by protein-A affinity chromatography.

Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. 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

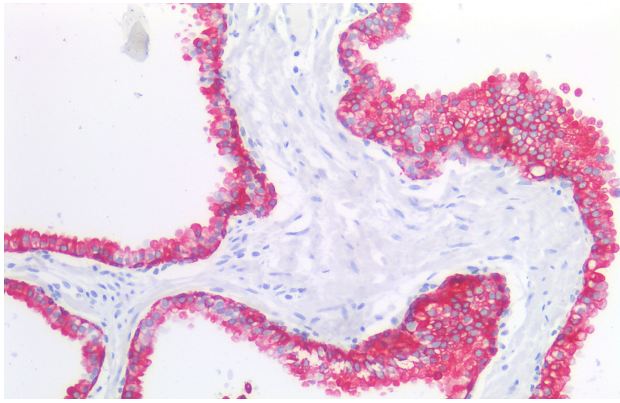
Database links	<a href="#">GeneID: 3880 Human</a> <a href="#">Swiss-port # P08727 Human</a>
Gene Symbol	KRT19
Gene Full Name	keratin 19, type I
Background	Cytokeratin 19 is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial 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



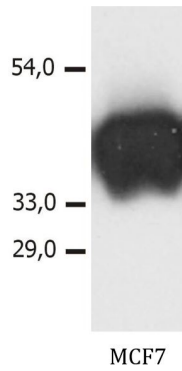
ARG62979 anti-Cytokeratin 19 antibody [A53-B/A2] WB image

Western blot: 30 µg of MCF7 cell lysate stained with ARG62979 anti-Cytokeratin 19 antibody [A53-B/A2] at 1:500 dilution.



ARG62979 anti-Cytokeratin 19 antibody [A53-B/A2] IHC-P image

Immunohistochemistry: Paraffin-embedded Human prostate tissue stained with ARG62979 anti-Cytokeratin 19 antibody [A53-B/A2].



ARG62979 anti-Cytokeratin 19 antibody [A53-B/A2] WB image

Western blot: MCF7 cell lysate stained with ARG62979 anti-Cytokeratin 19 antibody [A53-B/A2], in reducing conditions.