

**ARG23977**  
anti-Cytokeratin 7 antibody [LP5K] (FITC)Package: 50 tests  
Store at: 4°C

### Summary

Product Description	FITC-conjugated Mouse Monoclonal antibody [LP5K] recognizes Cytokeratin 7
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF
Host	Mouse
Clonality	Monoclonal
Clone	LP5K
Isotype	IgG2b
Target Name	Cytokeratin 7
Species	Human
Immunogen	Cytoskeletal proteins from cultured HeLa cells.
Conjugation	FITC
Alternate Names	SCL; Sarcolectin; CK-7; Cytokeratin-7; CK7; Keratin, type II cytoskeletal 7; Keratin-7; K7; K2C7; Type-II keratin Kb7

### Application Instructions

Application table	Application	Dilution
	FACS	10 µl/10 <sup>6</sup> cells
	ICC/IF	Assay-dependent
Application Note	FACS: Use 10 µl of the suggested working dilution to label 10 <sup>6</sup> cells in 100 µl. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Ammonium sulphate precipitation followed by ion exchange chromatography.
Buffer	PBS, 0.1% Sodium azide and 0.1% BSA.
Preservative	0.1% Sodium azide
Stabilizer	0.1% BSA
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

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Gene Symbol	KRT7
Gene Full Name	keratin 7, type II
Background	Cytokeratin 7 is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratins are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants; however, not all variants have been fully described. [provided by RefSeq, Jul 2008]
Function	Cytokeratin 7 blocks interferon-dependent interphase and stimulates DNA synthesis in cells. Involved in the translational regulation of the human papillomavirus type 16 E7 mRNA (HPV16 E7). [UniProt]
Research Area	CK7/CK20 Carcinoma Study antibody
Calculated Mw	51 kDa
PTM	Arg-20 is dimethylated, probably to asymmetric dimethylarginine. [UniProt]
Cellular Localization	Cytoplasm. [UniProt]