

## ARG20785 anti-Cytokeratin 7 antibody [RCK105]

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [RCK105] recognizes Cytokeratin 7
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Cat, Dog, Hm, Pig
Tested Application	FACS, ICC/IF, IHC-Fr, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	RCK105
Isotype	IgG1
Target Name	Cytokeratin 7
Species	Human
Immunogen	A cytokeratin from Human bladder carcinoma cell line T24 and SP2/0-Ag14 Mouse myeloma cells.
Conjugation	Un-conjugated
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	1:100 - 1:200
	ICC/IF	1:100 - 1:200
	IHC-Fr	1:100 - 1:200
	IHC-P	Assay-dependent
	WB	1:100 - 1:1000
	Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Purification with Protein A/G.
Buffer	PBS and 0.08% Sodium azide
Preservative	0.08% Sodium azide
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

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.