Ablumir
Built Around Immunology

Anti-Cytokeratin 18 Rabbit mAb [10F65]

Catalog No.: A52096

Basic Information

Catalog No. (Cat.No.)	A52096
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	Cytokeratin 18,CK-18,K18,CK18,type II cytokeratin 18

Product Information

Target	Cytokeratin 18
Molecular Weight(Calculated)	48 kDa
Molecular Weight(Observed)	48 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	10F65
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

Ablumir
Built Around Immunology

Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:2000-1:5000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Keratin-18
Gene Name	*KRT18*
Domain	NA
Background	Cytokeratin 18 (CK18) belongs to type-I intermediate-filament family and provides cytoskeletal support for simple epithelia. Expressed in diverse simple epithelia including gastrointestinal, hepatic and pulmonary glandular cells, CK18 heterodimerizes with CK8 to form keratin intermediate filaments, maintaining glandular-epithelial morphology and mechanical resilience. Upon apoptosis, CK18 is proteolytically cleaved into characteristic fragments used for epithelial-cell apoptosis detection. CK18 is a classic glandular-epithelium marker; epithelial-derived tumours commonly retain CK18 expression. Circulating CK18 fragments serve as auxiliary markers for tissue injury. It is widely adopted for epithelial-tissue pathology, glandular-tumour subtyping and epithelial-apoptosis researches.