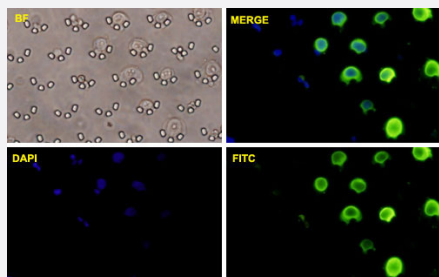


# KRT8/KRT18 monoclonal antibody, clone CK8+18 207

Catalog # MAB6191

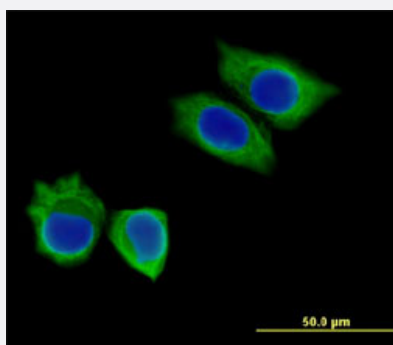
Size 500 uL

## Applications



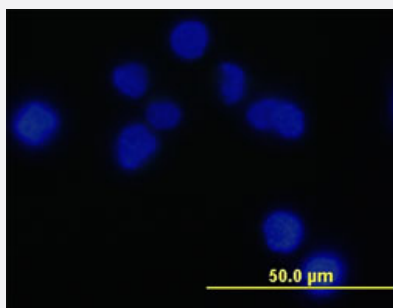
### Immunofluorescence (Circulating Tumor Cell)

MCF-7 cells spiked whole blood sample flow through Captor®. Spiked MCF-7 cells were captured (Upper: Bright Field) and on-chip stained with KRT8/KRT18-FITC labeled monoclonal antibody (Lower: Green). The cell nucleus were counterstained with DAPI (Lower: Blue).



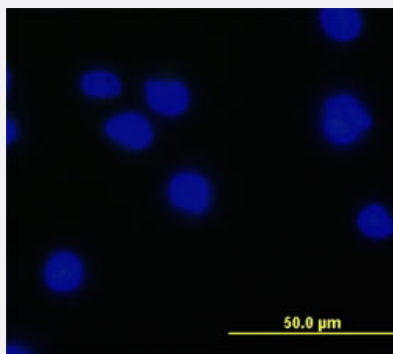
### Immunofluorescence

Immunofluorescence of monoclonal antibody to KRT8/KRT18 on MCF-7 cell.  
[antibody concentration 10 ug/ml]



### Immunofluorescence

Immunofluorescence of monoclonal antibody to KRT8/KRT18 on HL-60 cell.  
[antibody concentration 10 ug/ml]



## Immunofluorescence

Immunofluorescence of monoclonal antibody to KRT8/KRT18 on Jurkat cell.  
[antibody concentration 10 ug/ml]

## Specification

Product Description	Mouse monoclonal antibody raised against KRT8/KRT18.
Immunogen	Human KRT8/KRT18.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1, kappa
Recommend Usage	Immunohistochemistry (1:50-1:100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (1% BSA, 0.05% sodium azide)
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunohistochemistry (Frozen sections)
- Immunocytochemistry

- Immunofluorescence (Circulating Tumor Cell)

MCF-7 cells spiked whole blood sample flow through Captor®. Spiked MCF-7 cells were captured (Upper: Bright Field) and on-chip stained with KRT8/KRT18-FITC labeled monoclonal antibody (Lower: Green). The cell nucleus were counterstained with DAPI (Lower: Blue).

- Immunofluorescence

Immunofluorescence of monoclonal antibody to KRT8/KRT18 on MCF-7 cell. [antibody concentration 10 ug/ml]

- Immunofluorescence

Immunofluorescence of monoclonal antibody to KRT8/KRT18 on HL-60 cell. [antibody concentration 10 ug/ml]

- Immunofluorescence

Immunofluorescence of monoclonal antibody to KRT8/KRT18 on Jurkat cell. [antibody concentration 10 ug/ml]

## Gene Info — KRT8

Entrez GeneID [3856](#)

Gene Name KRT8

Gene Alias CARD2, CK8, CYK8, K2C8, K8, KO

Gene Description keratin 8

Omim ID [148060](#) [215600](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. The product of this gene typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. Mutations in this gene cause cryptogenic cirrhosis. [provided by RefSeq]

**Other Designations** cytokeratin 8|keratin, type II cytoskeletal 8

## Gene Info — KRT18

Entrez GeneID [3875](#)

Gene Name KRT18

Gene Alias CYK18, K18

Gene Description	keratin 18
Omim ID	<a href="#">148070 215600</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	KRT18 encodes the type I intermediate filament chain keratin 18. Keratin 18, together with its filament partner keratin 8, are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]
Other Designations	cell proliferation-inducing protein 46 cytokeratin 18

## Publication Reference

- [Cytokeratin 8/18 monoclonal antibody is dissimilar to anti-cytokeratin CAM 5.2 reagent--Comment on: "Oral metastatic hepatocellular carcinoma: A changing demographic in Europe and North America. Immunohistochemical advances in the microscopic diagnosis. Oral Oncol. 2010 Aug 20 \[Epub ahead of print\]".](#)

Wang PH, Chen FL, Lin WL, Tyan YS, Han CP.

Oral Oncology 2011 Aug; 47(8):775.

Application: IHC, Human, Human oral cancer

## Pathway

- [Pathogenic Escherichia coli infection - EHEC](#)

## Disease

- [Alzheimer disease](#)
- [Cerebral Amyloid Angiopathy](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Disease Progression](#)
- [Drug-Induced Liver Injury](#)

- [Drug-Induced Liver Injury](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Inflammatory Bowel Diseases](#)
- [Liver Cirrhosis](#)
- [Liver Cirrhosis](#)
- [Liver Failure](#)
- [Liver Failure](#)
- [Neuroblastoma](#)
- [Pancreatitis](#)