

# FITC-conjugated Cytokeratin 18

## Monoclonal antibody

Catalog Number: FITC-66187

1 Publications

### Basic Information

<b>Catalog Number:</b> FITC-66187	<b>GenBank Accession Number:</b> BC000180	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3875	<b>CloneNo.:</b> 1G11C4
<b>Source:</b> Mouse	<b>Full Name:</b> keratin 18	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 48 kDa	<b>Excitation/Emission maxima wavelengths:</b> 494 nm / 520 nm
<b>Immunogen Catalog Number:</b> AG1260	<b>Observed MW:</b> 48 kDa	

### Applications

<b>Tested Applications:</b> FC (Intra), IF	<b>Positive Controls:</b> IF : HeLa cells,
<b>Cited Applications:</b> FC	
<b>Species Specificity:</b> human, mouse, rat, pig	
<b>Cited Species:</b> bovine	

### Background Information

Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells, which are classified into two major sequence types. Type I keratins are a group of acidic intermediate filament proteins, including K9-K23, and the hair keratins Ha1-Ha8. Type II keratins are the basic or neutral counterparts to the acidic type I keratins, including K1-K8, and the hair keratins, Hb1-Hb6. KRT18, also named as CYK18, PIG46 and K18, is the most commonly found members of the intermediate filament gene family. KRT18 is a type I keratin which is found primarily in non squamous epithelia and is present in a majority of adenocarcinomas and ductal carcinomas but not in squamous cell carcinomas.

### Notable Publications

Author	Pubmed ID	Journal	Application
Wei Yang	35469640	J Dairy Sci	FC

### Storage

**Storage:**  
Store at -20°C. Avoid exposure to light.

**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

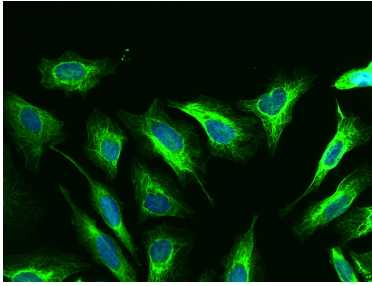
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

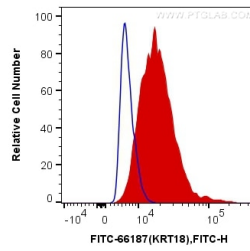
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using FITC Cytokeratin 18 antibody (FITC-66187, Clone: 1G11C4) at dilution of 1:200.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug FITC Anti-Human Cytokeratin 18 (FITC-66187, Clone:1G11C4) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).