

For Research Use Only

# FITC-conjugated Cytokeratin 18 Monoclonal antibody

Catalog Number: FITC-66187

4 Publications



## Basic Information

Catalog Number:

FITC-66187

Size:

100ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG1260

GenBank Accession Number:

BC000180

GeneID (NCBI):

3875

UNIPROT ID:

P05783

Full Name:

keratin 18

Calculated MW:

48 kDa

Observed MW:

48 kDa

Purification Method:

Protein A purification

CloneNo.:

1G11C4

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

498 nm / 526 nm

## Applications

Tested Applications:

IF/ICC, FC (Intra)

Cited Applications:

IF

Species Specificity:

human, mouse, rat, pig

Cited Species:

human, bovine

Positive Controls:

IF/ICC : HeLa cells,

## 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
Ming Li	39343220	J Dairy Sci	IF
Shuang Wang	38851581	J Dairy Sci	IF

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

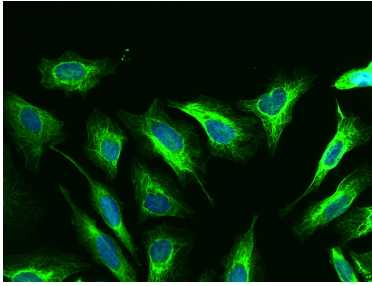
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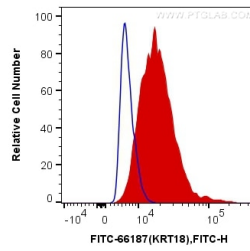
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## Selected Validation Data



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).