

CoraLite®555-conjugated Cytokeratin 18 Monoclonal antibody

Catalog Number: **CL555-66187**

Basic Information

Catalog Number:

CL555-66187

Size:

1000 µg/ml

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

Purification Method:

Protein A purification

CloneNo.:

1G11C4

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima wavelengths:

557 nm / 570nm

Applications

Tested Applications:

FC (Intra), IF/ICC

Species Specificity:

human

Positive Controls:

IF : HepG2 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.

Storage

Storage:

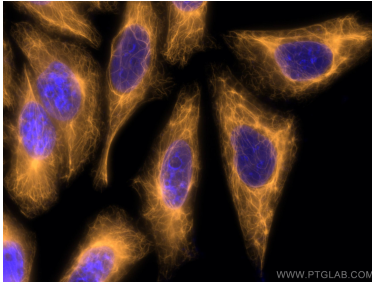
Store at -20°C. Avoid exposure to light.

Storage Buffer:

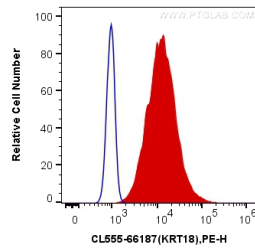
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite®555 Cytokeratin 18 antibody (CL555-66187, Clone: 1G11C4) at dilution of 1:200.



1X10⁶ HeLa cells were intracellularly stained with 0.2 ug CoraLite®555 Anti-Human Cytokeratin 18 (CL555-66187, Clone:1G11C4) (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).