For Research Use Only

## YF488-conjugated Cytokeratin 18 Monoclonal ANTIBODY



Catalog Number: YF488-66187

**Basic Information** 

Catalog Number: YF488-66187

100 µg/100 µl Source Mouse Isotype: IgG1

Purification Method: Protein G purification Immunogen Catalog Number: AG1260

**Applications** 

Tested Applications: IF, ELISA Species Specificity: GenBank Accession Number: BC000180

GeneID (NCBI): 3875 Full Name keratin 18

Calculated MW: 48 kDa Observed MW:

Recommended Dilutions: IF 1:50-1:500

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 courterparts 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

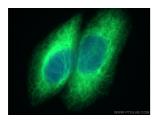
Application

Storage

Store at -20°C. Stable for one year after shipment.

Storage Buffer: PBS buffer with 50% glycerol, pH7.3 Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using YF488-66187 (Cytokeratin 18 antibody) at dilution of 1:100.