

CoraLite488-conjugated Cytokeratin 18 Monoclonal ANTIBODY

Catalog Number: CL488-66187

Basic Information

Catalog Number: CL488-66187	GenBank Accession Number: BC000180	Recommended Dilutions: IF 1:50-1:500
Size: 100 µg/ 100 µl	GeneID (NCBI): 3875	
Source: Mouse	Full Name: keratin 18	
Isotype: IgG1	Calculated MW: 48 kDa	
Purification Method: Protein G purification	Observed MW:	
Immunogen Catalog Number: AG1260		

Applications

Tested Applications: IF, ELISA	Positive Controls: IF : HepG2 cells; MDCK cells
Species Specificity: human	
Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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. The antibody is conjugated with CL488, Ex/Em 488 nm/515 nm.

Notable Publications

Author	Pubmed ID	Journal	Application
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Storage

Storage:
Store at -20°C. 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

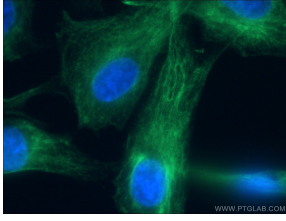
For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed MDCK cells using CL488-66187 (Cytokeratin 18 antibody) at dilution of 1:100 and N/A



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CL488-66187 (Cytokeratin 18 antibody) at dilution of 1:100.