

For Research Use Only

# CoraLite® Plus 488-conjugated pan-keratin Polyclonal antibody

Catalog Number: CL488-26411



## Basic Information

Catalog Number:

CL488-26411

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24184

GenBank Accession Number:

BC024292

GeneID (NCBI):

3852

UNIPROT ID:

P13647

Full Name:

keratin 5

Calculated MW:

590 aa, 62 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P: 1:50-1:500

IF: 1:50-1:500

FC (Intra): 0.40 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF, IF-P, FC (Intra)

Species Specificity:

human

Positive Controls:

IF-P: human colon cancer tissue, human lung cancer tissue, human rectal cancer tissue

IF: human colon cancer tissue,

FC (Intra): A431 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. Keratin isoforms demonstrate tissue- and differentiation-specific profiles that make them useful as research biomarkers. Research studies have shown that mutations in keratin genes are associated with skin disorders, liver and pancreatic diseases, and inflammatory intestinal diseases. This antibody is a pan-keratin antibody.

## 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

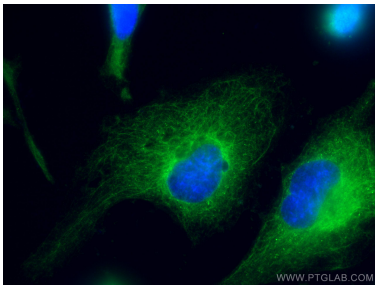
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

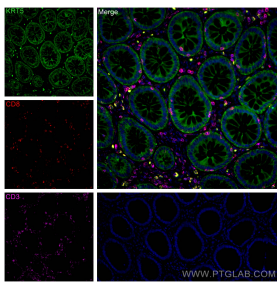
W: [ptgcn.com](http://ptgcn.com)

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

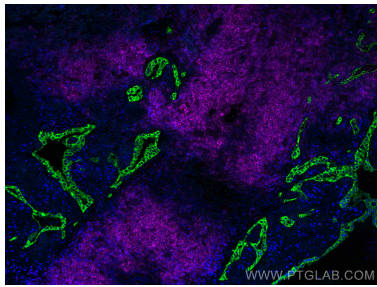
Selected Validation Data



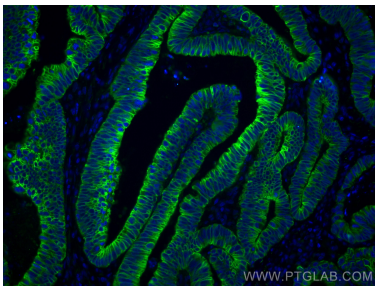
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 pan-keratin antibody (CL488-26411) at dilution of 1:100.



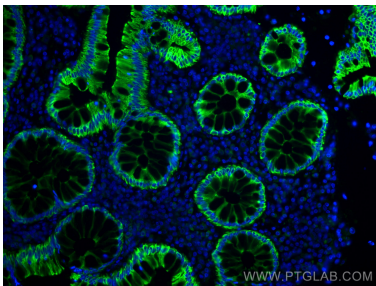
Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using CoraLite® Plus 488 pan-keratin antibody (CL488-26411) at dilution of 1:200, CoraLite® Plus 647 CD3 antibody (CL647-60181, Clone: 3F3A1, Magenta) at dilution of 1:100, CoraLite® 594 CD8 antibody (CL594-66868, Clone: 1G2B10, Red) at dilution of 1:400. DAPI (Blue).



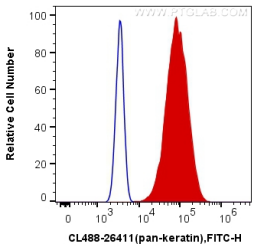
Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using CoraLite® Plus 488 pan-keratin antibody (CL488-26411) at dilution of 1:200, CoraLite® Plus 647 CD20 antibody (CL647-60271, Clone: 4A7G3, Magenta).



Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using CoraLite® Plus 488 pan-keratin antibody (CL488-26411) at dilution of 1:100.



Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using CoraLite® Plus 488 pan-keratin antibody (CL488-26411) at dilution of 1:100.



1X10<sup>6</sup> A431 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human pan-keratin (CL488-26411) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.