

# CoraLite® Plus 488-conjugated Cytokeratin 20 Monoclonal antibody

Catalog Number: **CL488-60183**

## Basic Information

<b>Catalog Number:</b> CL488-60183	<b>GenBank Accession Number:</b> BC031559	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 54474	<b>CloneNo.:</b> 4D10A4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P35900	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG2b	<b>Full Name:</b> keratin 20	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG11336	<b>Calculated MW:</b> 424 aa, 48 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IF-P	<b>Positive Controls:</b> IF : HT-29 cells, human colon tissue
<b>Species Specificity:</b> human	

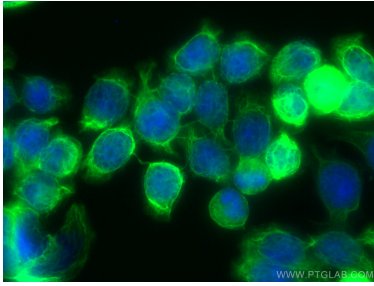
## Background Information

Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells. Keratin expression is highly regulated, tissue specific, and varies according to cell-state. Type I keratins consist of acidic, low molecular weight proteins with MW ranging from 40 kDa (KRT19) to 64 kDa (KRT9). Type 2 keratins consist of basic or neutral, high molecular weight proteins with MW from 52 kDa (KRT8) to 67 kDa (KRT18). Keratin 20 is a type I cytokeratin. It is a major cellular protein of mature enterocytes and goblet cells and is specifically found in the gastric and intestinal mucosa.

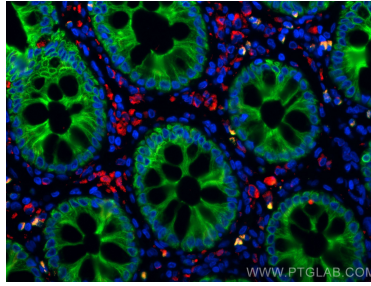
## Storage

**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**

## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HT-29 cells using CoraLite® Plus 488 Cytokeratin 20 antibody (CL488-60183, Clone: 4D10A4 ) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed human colon tissue using CoraLite® Plus 488 Cytokeratin 20 antibody (CL488-60183, Clone: 4D10A4 ) at dilution of 1:200, CoraLite® 594 CD68 antibody (CL594-25747, red).