

For Research Use Only

# CoraLite® Plus 488-conjugated Cytokeratin 13 Monoclonal antibody



Catalog Number: CL488-66684

## Basic Information

<b>Catalog Number:</b> CL488-66684	<b>GenBank Accession Number:</b> BC002661	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3860	<b>CloneNo.:</b> 1E10G2
<b>Source:</b> Mouse	<b>Full Name:</b> keratin 13	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 50 kDa	<b>Excitation/Emission maxima wavelengths:</b> 488 nm / 515 nm
<b>Immunogen Catalog Number:</b> AG0217	<b>Observed MW:</b> 50 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : human cervical cancer tissue,
<b>Species Specificity:</b> Human, rat	

## 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. This type I cytokeratin is paired with keratin 4 and expressed in the suprabasal layers of non-cornified stratified epithelia. The Keratin 13 (KRT13) gene encodes a type I acidic keratin which is expressed in the differentiated cells of non-cornified stratified squamous epithelia.

## Storage

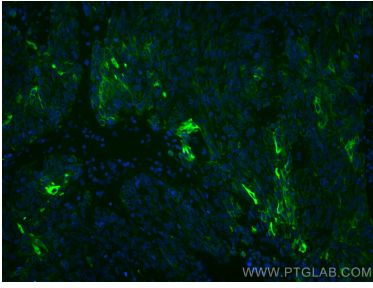
**Storage:**  
Store at -20°C. Avoid exposure to light.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

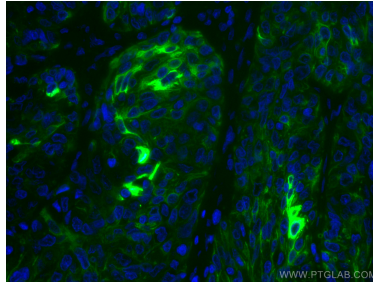
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human cervical cancer tissue using CoraLite® Plus 488 Cytokeratin 13 antibody (CL488-66684, Clone: 1E10G2 ) at dilution of 1:100.



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