

For Research Use Only

# CoraLite®488-conjugated Cytokeratin 14 Monoclonal antibody



Catalog Number:CL488-60320

## Basic Information

<b>Catalog Number:</b> CL488-60320	<b>GenBank Accession Number:</b> BC002690	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3861	<b>CloneNo.:</b> 2G1E2
<b>Source:</b> Mouse	<b>Full Name:</b> keratin 14	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 472 aa, 52 kDa	<b>Excitation/Emission maxima wavelengths:</b> 491 nm / 516 nm
<b>Immunogen Catalog Number:</b> AG17559	<b>Observed MW:</b> 52 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : A431 cells, HepG2 cells, HaCaT cells, mouse skin tissue
<b>Species Specificity:</b> human, mouse	

## Background Information

eratins 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 14 is a type I cytokeratin. It is usually found as a heterotetramer with keratin 5. Keratins K14 and K5 have long been considered to be biochemical markers of the stratified squamous epithelia, including epidermis.

## Storage

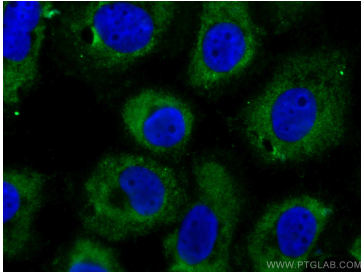
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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

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 A431 cells using CL488-60320 (Cytokeratin 14 antibody) at dilution of 1:100.