

For Research Use Only

# CoraLite®488-conjugated Cytokeratin 14 Monoclonal antibody

Catalog Number: CL488-60320

Featured Product



## Basic Information

Catalog Number:

CL488-60320

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG17559

GenBank Accession Number:

BC002690

GeneID (NCBI):

3861

UNIPROT ID:

P02533

Full Name:

keratin 14

Calculated MW:

472 aa, 52 kDa

Observed MW:

52 kDa

Purification Method:

Protein G purification

CloneNo.:

2G1E2

Recommended Dilutions:

IF-P 1:50-1:500

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

491 nm / 516 nm

## Applications

Tested Applications:

IF/ICC, IF-P

Species Specificity:

human, mouse

Positive Controls:

IF-P : mouse skin tissue,

IF/ICC : A431 cells, HepG2 cells, HaCaT 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 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

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

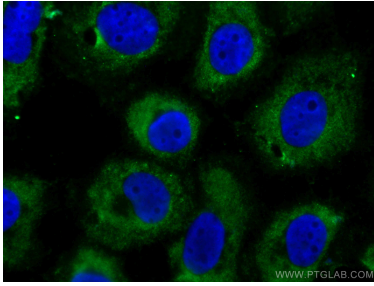
T: 4006900926

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

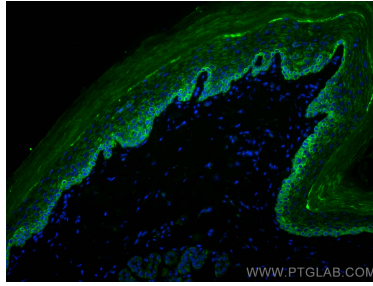
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using CL488-60320 (Cytokeratin 14 antibody) at dilution of 1:100.



Immunofluorescent analysis of (4% PFA) fixed mouse skin tissue using CoraLite®488 Cytokeratin 14 antibody (CL488-60320, Clone: 2G1E2 ) at dilution of 1:200.