

For Research Use Only

CoraLite®488-conjugated Cytokeratin 14 Monoclonal antibody

Catalog Number: CL488-60320

Featured Product



Basic Information

Catalog Number:

CL488-60320

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

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

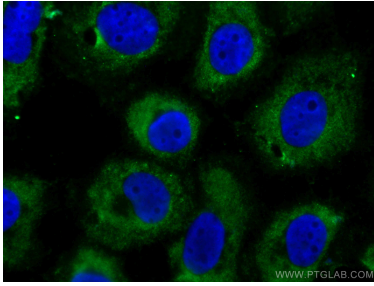
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

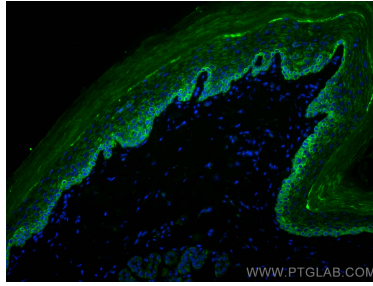
E: proteintech@ptglab.com
W: ptglab.com

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.



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