

For Research Use Only

CoraLite® Plus 647-conjugated Cytokeratin 14 Monoclonal antibody

Catalog Number: CL647-60320



Basic Information

Catalog Number:

CL647-60320

GenBank Accession Number:

BC002690

Purification Method:

Protein G purification

Size:

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

GeneID (NCBI):

3861

CloneNo.:

2G1E2

Source:

Mouse

UNIPROT ID:

P02533

Recommended Dilutions:

IF-P 1:50-1:500

Isotype:

IgG1

Full Name:

keratin 14

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Immunogen Catalog Number:

AG17559

Calculated MW:

472 aa, 52 kDa

Observed MW:

52 kDa

Applications

Tested Applications:

IF-P, FC (Intra)

Positive Controls:

IF-P: mouse skin tissue,

Species Specificity:

human, mouse, rat, pig

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

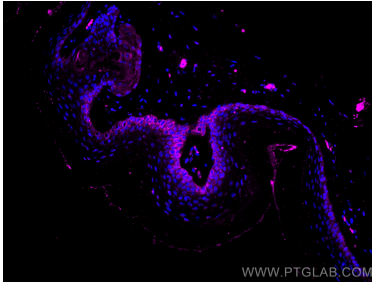
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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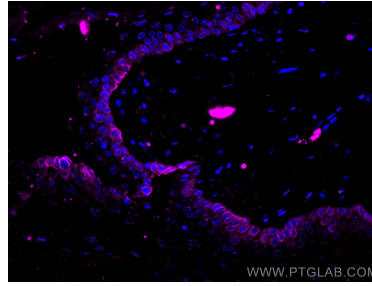
E: proteintech@ptglab.com
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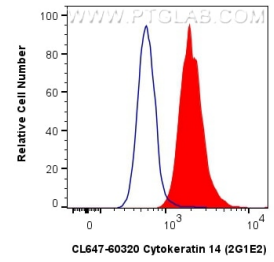
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse skin tissue using CoraLite® Plus 647 Cytokeratin 14 antibody (CL647-60320, Clone: 2G1E2) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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1X10⁶ A431 cells were intracellularly stained with 0.8 ug CoraLite® Plus 647 Anti-Human Cytokeratin 14 (CL647-60320, Clone:2G1E2) (red), or 0.8 ug CoraLite® Plus 647 Mouse IgG1 Isotype Control (MOPC-21) (CL647-65124, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).