

For Research Use Only

CoraLite® Plus 555-conjugated Cytokeratin 10 Polyclonal antibody

Catalog Number: CL555-18343



Basic Information

Catalog Number:

CL555-18343

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13136

GenBank Accession Number:

BC034697

GeneID (NCBI):

3858

UNIPROT ID:

P13645

Full Name:

keratin 10

Calculated MW:

584 aa, 59 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P: 1:50-1:500

IF/ICC: 1:50-1:500

FC (Intra): 0.50 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

554 nm / 570 nm

Applications

Tested Applications:

IF/ICC, IF-P, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF-P : mouse skin tissue,

IF/ICC : A431 cells,

FC (Intra) : A431 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. As a type I keratin, keratin 10 is a suprabasal marker of differentiation in stratified squamous epithelia.

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

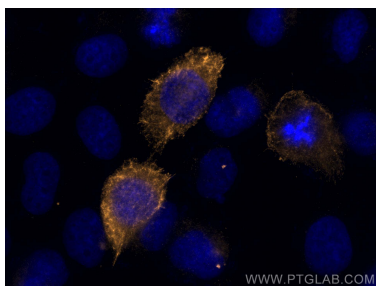
T: 4006900926

E: Proteintech-CN@ptglab.com

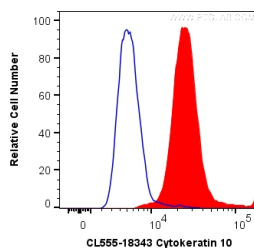
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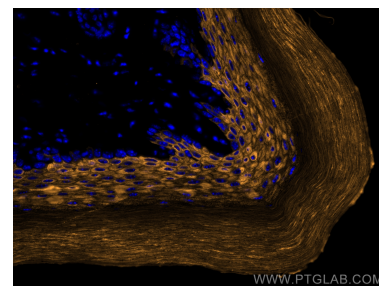
Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using Coralite® Plus 555 Cytokeratin 10 antibody (CL555-18343) at dilution of 1:200.



1X10⁶ A431 cells were intracellularly stained with 0.5 ug Coralite® Plus 555 Anti-Human Cytokeratin 10 (CL555-18343) (red), or 0.5 ug CL555 Rabbit Isotype Control Antibody (CL555-30000) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse skin tissue using Coralite® Plus 555 Cytokeratin 10 antibody (CL555-18343) at dilution of 1:50. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).