

For Research Use Only

CoraLite® Plus 555-conjugated Cytokeratin 10 Polyclonal antibody

Catalog Number: CL555-18343



Basic Information

Catalog Number: CL555-18343	GenBank Accession Number: BC034697	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3858	Recommended Dilutions: IF-P 1:50-1:500 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: P13645	Excitation/Emission maxima wavelengths: 554 nm / 570 nm
Isotype: IgG	Full Name: keratin 10	
Immunogen Catalog Number: AG13136	Calculated MW: 584 aa, 59 kDa	

Applications

Tested Applications: IF/ICC, IF-P, FC (Intra)	Positive Controls:
Species Specificity: human, mouse, rat	IF-P : mouse skin tissue, IF/ICC : 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.

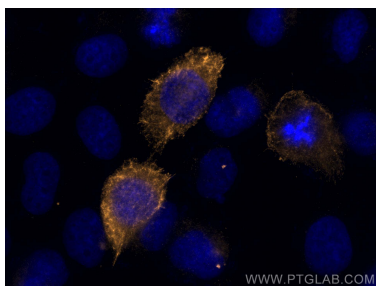
Storage

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, pH 7.3.
Aliquoting is unnecessary for -20°C storage

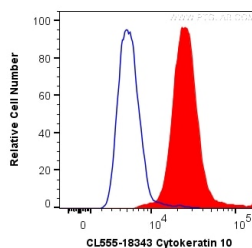
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

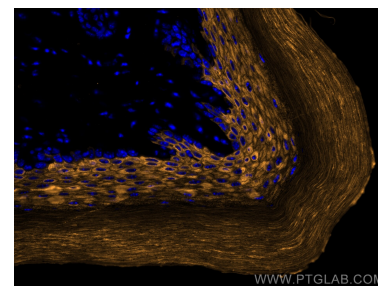
Selected Validation Data



Immunofluorescent analysis of (-20°C 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 (PF00011-C).



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).