

For Research Use Only

CoraLite® Plus 555-conjugated Cytokeratin 14 Polyclonal antibody



Catalog Number: CL555-10143

Featured Product

Basic Information

Catalog Number: CL555-10143	GenBank Accession Number: BC002690	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1 mg/mL by Nanodrop;	GeneID (NCBI): 3861	Recommended Dilutions: IF 1:200-1:800
Source: Rabbit	Full Name: keratin 14	Excitation/Emission maxima wavelengths: 554 nm / 570 nm
Isotype: IgG	Calculated MW: 472 aa, 52 kDa	
Immunogen Catalog Number: AG0188	Observed MW: 47-50 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : HepG2 cells,
Species Specificity: human, mouse, rat	

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

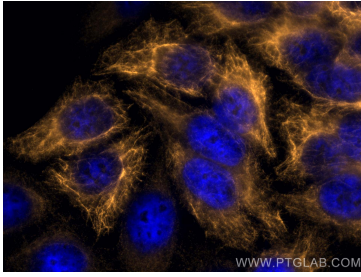
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

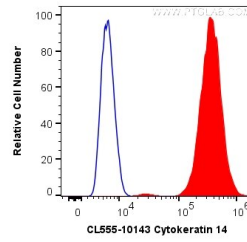
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 HepG2 cells using CoraLite® Plus 555 Cytokeratin 14 antibody (CL555-10143) at dilution of 1:400.



1X10⁶ A431 cells were intracellularly stained with 0.2 ug CoraLite® Plus 555 Anti-Human Cytokeratin 14 (CL555-10143) (red), or 0.2 ug CL555 Rabbit Isotype Control Antibody (CL555-30000) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).