

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: 1000 µg/ml	GeneID (NCBI): 3861	CloneNo.: 2G1E2
Source: Mouse	UNIPROT ID: P02533	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG1	Full Name: keratin 14	
Immunogen Catalog Number: AG17559	Calculated MW: 472 aa, 52 kDa	
	Observed MW: 52 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse, pig, 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

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

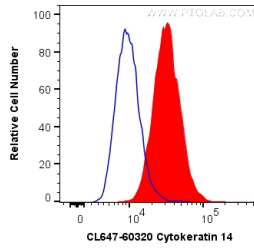
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ A431 cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human Cytokeratin 14 (CL647-60320, Clone:2G1E2) (red), or 0.2 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).