

For Research Use Only

CoraLite® Plus 647-conjugated Cytokeratin 7 Polyclonal antibody



Catalog Number: CL647-22208

Basic Information

Catalog Number: CL647-22208	GenBank Accession Number: BC002700	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 3855	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	UNIPROT ID: P08729	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG	Full Name: keratin 7	
Immunogen Catalog Number: AG17528	Calculated MW: 469 aa, 51 kDa	
	Observed MW: 51 kDa	

Applications

Tested Applications: FC (Intra), IF/ICC	Positive Controls: IF : HeLa cells,
Species Specificity: human	

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. KRT7 is a type II keratin. It is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels.

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:

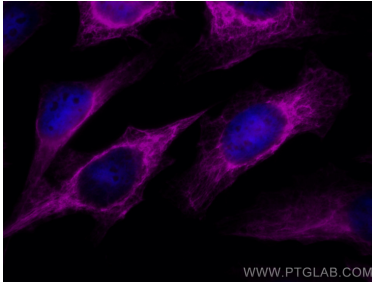
T: 4006900926

E: Proteintech-CN@ptglab.com

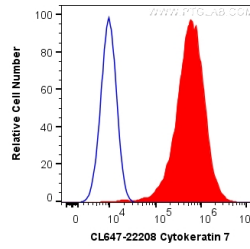
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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 647 Cytokeratin 7 antibody (CL647-22208) at dilution of 1:200.



1X10⁶ HeLa cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human Cytokeratin 7 (CL647-22208) (red), or 0.2 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).