

For Research Use Only

CoraLite® Plus 555-conjugated Cytokeratin 19 Polyclonal antibody



Catalog Number:CL555-10712

Basic Information

Catalog Number: CL555-10712	GenBank Accession Number: BC007628	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3880	Recommended Dilutions: IF 1:200-1:800
Source: Rabbit	Full Name: keratin 19	Excitation/Emission maxima wavelengths: 554 nm / 570 nm
Isotype: IgG	Calculated MW: 40 kDa	
Immunogen Catalog Number: AG1085	Observed MW: 44-50 kDa	

Applications

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

Background Information

Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells. Keratin expression is highly regulated, tissue specific, and varies according to cell-state. Type I keratins consist of acidic, low molecular weight proteins with MW ranging from 40 kDa (KRT19) to 64 kDa (KRT9). Type 2 keratins consist of basic or neutral, high molecular weight proteins with MW from 52 kDa (KRT8) to 67 kDa (KRT18). Keratin 19 is a type I cytokeratin. It is a biochemical marker of skin stem cells in vivo and in vitro.

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

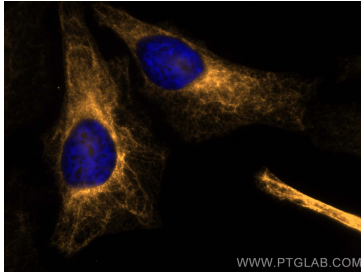
For technical support and original validation data for this product please contact:

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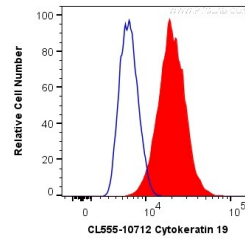
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Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using Coralite® Plus 555 Cytokeratin 19 antibody (CL555-10712) at dilution of 1:200.



1X10⁶ A431 cells were intracellularly stained with 0.2 ug Coralite® Plus 555 Anti-Human Cytokeratin 19 (CL555-10712) (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).