

For Research Use Only

CoraLite® Plus 555-conjugated Cytokeratin 19 Polyclonal antibody

Catalog Number:CL555-10712



Basic Information

Catalog Number:

CL555-10712

Concentration:

1 mg/mL

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1085

GenBank Accession Number:

BC007628

GeneID (NCBI):

3880

UNIPROT ID:

P08727

Full Name:

keratin 19

Calculated MW:

40 kDa

Observed MW:

44-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC: 1:200-1:800

FC (Intra): 0.40 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

554 nm / 570 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse

Positive Controls:

IF/ICC : HeLa cells,

FC (Intra) : A431 cells,

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

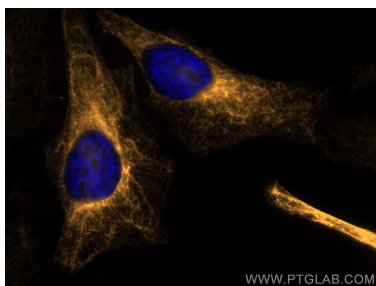
T: 4006900926

E: Proteintech-CN@ptglab.com

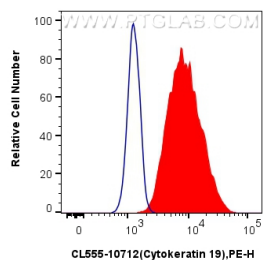
W: ptgcn.com

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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 0.4 ug CoraLite® Plus 555 Anti-Human Cytokeratin 19 (CL555-10712) and HRP-conjugated polymer at dilution 1:1000 (red), or 0.4 ug CoraLite® 555-conjugated Rabbit IgG control Rabbit PolyAb (CL555-30000, Clone:) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).