For Research Use Only

CoraLite® Plus 555-conjugated Cytokeratin 19 Polyclonal antibody

Catalog Number:CL555-10712

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL555-10712

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 10^6 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.

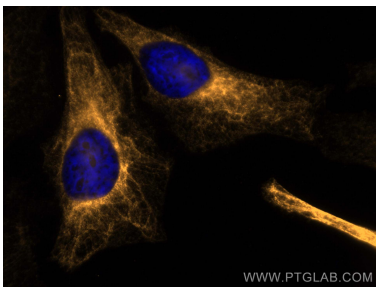
Storage

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

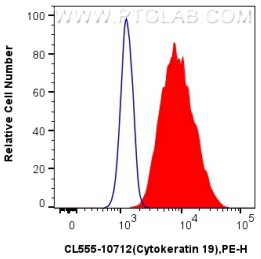
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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 Methanol) fixed HeLa cells using CoraLite® Plus 555 Cytokeratin 19 antibody (CL555-10712) at dilution of 1:200.



1X10^6 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.