

CoraLite® Plus 647-conjugated pan-keratin Polyclonal antibody

Catalog Number: **CL647-26411**

Basic Information

Catalog Number:

CL647-26411

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24184

GenBank Accession Number:

BC024292

GeneID (NCBI):

3852

UNIPROT ID:

P13647

Full Name:

keratin 5

Calculated MW:

590 aa, 62 kDa

Observed MW:

46-58 kDa

Purification Method:

Antigen affinity purification

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC (Intra)

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. Keratin isoforms demonstrate tissue- and differentiation-specific profiles that make them useful as research biomarkers. Research studies have shown that mutations in keratin genes are associated with skin disorders, liver and pancreatic diseases, and inflammatory intestinal diseases. This antibody is a pan-keratin antibody.

Storage

Storage:

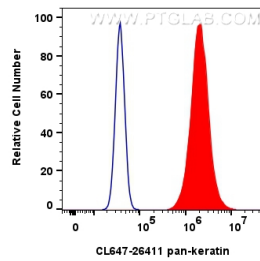
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



1x10⁶ A431 cells were intracellularly stained with 0.8 ug CoraLite® Plus 647-conjugated pan-keratin Polyclonal antibody (CL647-26411)(red), or 0.8 ug CoraLite® Plus 647-conjugated Rabbit IgG control Rabbit PolyAb (CL647-30000) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).