

CoraLite® Plus 488-conjugated Cytokeratin 19 Polyclonal antibody

Catalog Number: CL488-14965

Featured Product

Basic Information

Catalog Number:

CL488-14965

GenBank Accession Number:

BC002539

Purification Method:

Antigen affinity purification

Size:

1000 ug/ml

GeneID (NCBI):

3880

Recommended Dilutions:

IF/ICC 1:50-1:500

Source:

Rabbit

UNIPROT ID:

P08727

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Isotype:

IgG

Full Name:

keratin 19

Immunogen Catalog Number:

AG6830

Calculated MW:

44 kDa

Applications

Tested Applications:

IF/ICC, FC (Intra)

Positive Controls:

IF/ICC : HeLa cells,

Species Specificity:

human, mouse, rat

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. KRT19, one of type I keratins, is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. Due to its high sensitivity, KRT19 is the most used marker for detection of tumor cells disseminated in lymph nodes, peripheral blood, and bone marrow of breast cancer patients. This antibody, generated against full length KRT19 protein, also recognizes KRT17, another type I keratin homologous to KRT19.

Storage

Storage:

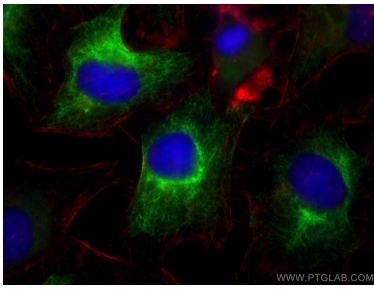
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

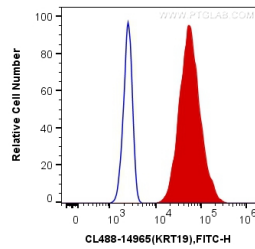
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Coralite® Plus 488 Cytokeratin 19 antibody (CL488-14965) at dilution of 1:200, CL594-phalloidin (red).



1X10⁶ MCF-7 cells were intracellularly stained with 0.4 ug Coralite® Plus 488 Anti-Human Cytokeratin 19 (CL488-14965) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).