

# CoraLite® Plus 488-conjugated Cytokeratin 7 Polyclonal antibody

Catalog Number: **CL488-15539**

## Basic Information

**Catalog Number:**

CL488-15539

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG7895

**GenBank Accession Number:**

BC002700

**GeneID (NCBI):**

3855

**UNIPROT ID:**

P08729

**Full Name:**

keratin 7

**Calculated MW:**

469 aa, 51 kDa

**Observed MW:**

51 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

IF 1:200-1:800

**Excitation/Emission maxima wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

FC (Intra), IF/ICC, IF-P

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

IF : human breast cancer tissue, HeLa cells

## 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. KRT7 is a type II keratin. It is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels.

## Storage

**Storage:**

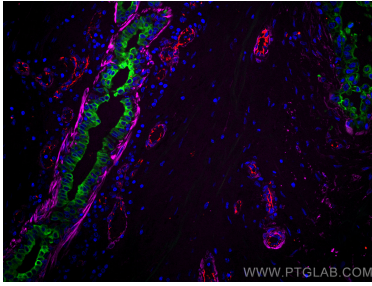
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

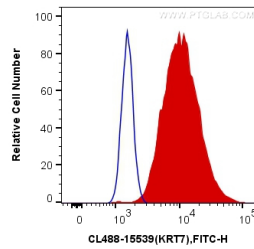
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using CoraLite® Plus 488 Cytokeratin 7 antibody (CL488-15539) at dilution of 1:400, CoraLite® Plus 647 smooth muscle actin specific antibody (CL647-67735, Clone: 1E9A11, red), CoraLite®594 CD31 antibody (CL594-11265, red).



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human Cytokeratin 7 (CL488-15539) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).