For Research Use Only

# CoraLite®555-conjugated Cytokeratin 19 Monoclonal antibody

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

Catalog Number:CL555-60187 Featured Product

## Basic Information

Catalog Number:
CL555-60187

Size:
1000 μg/ml

Source:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG7407

GenBank Accession Number:
BC002539

GeneID (NCBI):
3880

UNIPROT ID:
P08727

Full Name:
keratin 19

Calculated MW:
44 kDa

Observed MW:
48 kDa

Purification Method:
Protein A purification

CloneNo.:
3G1E4

Recommended Dilutions:
IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:
557 nm / 570 nm

## Applications

Tested Applications:
IF-P, FC (Intra)

Species Specificity:
human

Positive Controls:

IF-P : human breast cancer tissue, human oesophagus cancer tissue

## Background Information

The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells. 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.

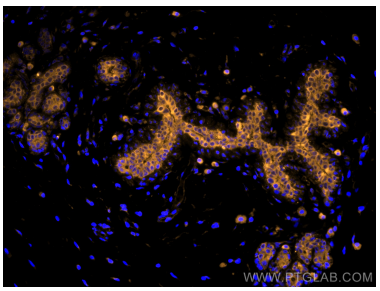
## Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

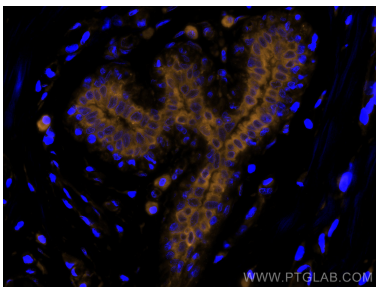
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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 (4% PFA) fixed human breast cancer tissue using CoraLite®555 Cytokeratin 19 antibody (CL555-60187, Clone: 3G1E4 ) at dilution of 1:200.

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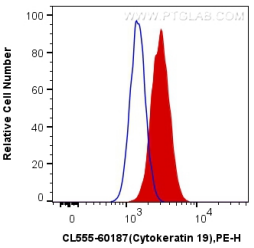


1X10^6 HeLa cells were intracellularly stained with 0.4 ug CoraLite®555 Anti-Human Cytokeratin 19 (CL555-60187, Clone:3G1E4) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).