

For Research Use Only

CoraLite® Plus 488-conjugated Cytokeratin 19 Monoclonal antibody



Catalog Number: CL488-60187

Featured Product

Basic Information

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|---|---------------------------------------|--|
| Catalog Number: CL488-60187 | GenBank Accession Number: BC002539 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 3880 | CloneNo.: 3G1E4 |
| Source: Mouse | Full Name: keratin 19 | Recommended Dilutions: IF 1:50-1:500 |
| Isotype: IgG2b | Calculated MW: 44 kDa | Excitation/Emission maxima wavelengths: 488 nm / 515 nm |
| Immunogen Catalog Number: AG7407 | Observed MW: 48 kDa | |

Applications

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| Tested Applications: FC (Intra), IF | Positive Controls: IF : HepG2 cells, human breast cancer tissue |
| Species Specificity: human | |

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. This antibody, generated against full length KRT19 protein, also recognizes KRT17, another type I keratin homologous to KRT19. KRT17 is used as a marker for trauma.

Storage

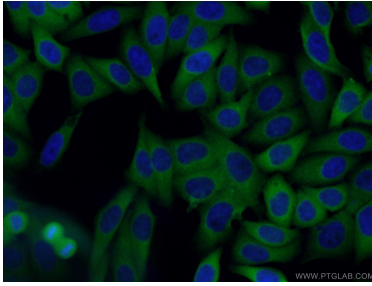
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

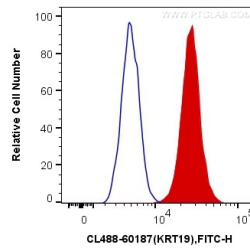
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 Ethanol) fixed HepG2 cells using CL488-60187 (Cytokeratin 19 antibody) at dilution of 1:50.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human Cytokeratin 19 (CL488-60187, Clone:3G1E4) (red), or 0.4 ug Mouse IgG2b Isotype Control (CL488-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).