

For Research Use Only

CoraLite®488-conjugated Cytokeratin 19 Monoclonal antibody



Catalog Number: **CL488-60187**

Featured Product

Basic Information

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

Tested Applications: FC, IF, ELISA	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 envelops 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.

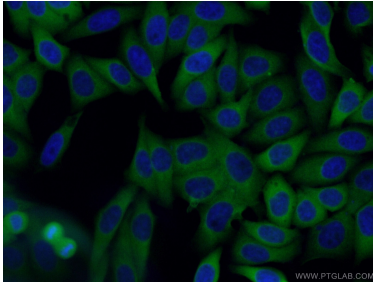
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

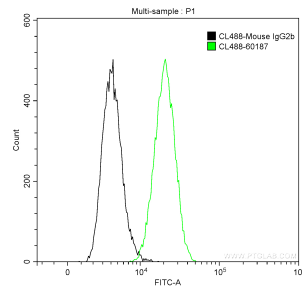
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech 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 surface stained with 0.5 ug CoraLite®488-conjugated Anti-Human Cytokeratin 19 (CL488-60187, Clone:3G1E4) (green), and 0.5 ug Control Antibody. Samples were fixed with 90% MeOH.