CoraLite® Plus 488-conjugated Cytokeratin 7 Monoclonal antibody

Catalog Number:CL488-66483 Featured Product

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL488-66483

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG7895

GenBank Accession Number:
BC002700

GeneID (NCBI):
3855

UNIPROT ID:
P08729

Full Name:
keratin 7

Calculated MW:
469 aa, 51 kDa

Purification Method:
Protein A purification

CloneNo.:
2E1G5

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

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF-P

Species Specificity:
Human

Positive Controls:
IF-P : human lung cancer tissue,

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 courterparts to the acidic type I keratins, including K1-K8, and the hair keratins, Hb1-Hb6. KRT7, also named as cytokeratin 7, is one member of type II basic cytokeratin. It is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels, and their neoplasms. KRT7 is marker of epithelial tissues, but not present in carcinomas of stratified squamous cell origin.This antibody is specifically against KRT7. The antibody is conjugated with CL488, Ex/Em 488 nm/515 nm.

Storage

Storage:
Store at -20℃. 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.
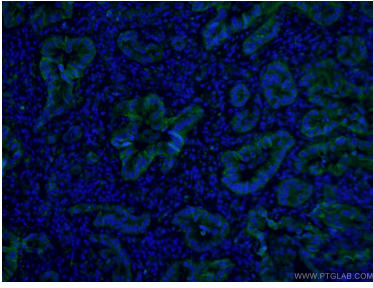Aliquoting is unnecessary for -20°C storage

Selected Validation Data

Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using CL488-66483 (Cytokeratin 7 antibody) at dilution of 1:50.