For Research Use Only

CoraLite® Plus 488-conjugated EPCAM/CD326 Polyclonal antibody

Catalog Number:CL488-21050 Featured Product

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

Basic Information

Catalog Number:
CL488-21050

Concentration:
500 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG15393

GenBank Accession Number:
BC014785

GeneID (NCBI):
4072

UNIPROT ID:
P16422

Full Name:
epithelial cell adhesion molecule

Calculated MW:
314 aa, 35 kDa

Observed MW:
35-40 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF/ICC: 1:50-1:500
FC: 0.80 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC, FC

Species Specificity:
human, mouse

Positive Controls:

IF/ICC : MCF-7 cells,

FC : MCF-7 cells, A431 cells, HT-29 cells

Background Information

Epithelial cell adhesion molecule (EpCAM, CD326) is a type I transmembrane glycoprotein that functions as a homophilic, epithelial-specific intercellular cell-adhesion molecule. In addition to cell adhesion, EpCAM is also involved in cellular signaling, cell migration, proliferation, and differentiation. EpCAM is highly expressed on most carcinomas and therefore of potential use as a diagnostic and prognostic marker for a variety of carcinomas, and has become a therapeutic target. EpCAM may occur in distinct forms due to glycosylation. (PMID: 20837599; 19249674; 21576002; 22647938; 12691820)

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, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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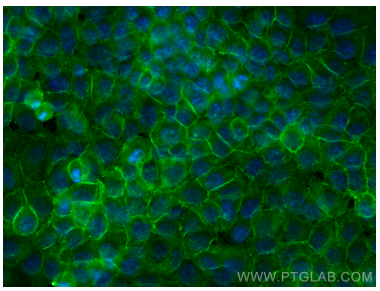
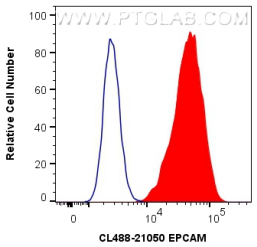
Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using CoraLite® Plus 488 EPCAM/CD326 antibody (CL488-21050) at dilution of 1:200.



1x10^6 MCF-7 cells were surface stained with 0.8 ug CoraLite® Plus 488-conjugated EPCAM/CD326 Polyclonal antibody (CL488-21050) (red), or 0.8 ug Isotype Control (blue). Cells were not fixed.