

For Research Use Only



# CoraLite® Plus 488-conjugated EPCAM/CD326 Recombinant monoclonal antibody

Catalog Number: **CL488-84073-11**

## Basic Information

|                                     |                                                 |                                                               |
|-------------------------------------|-------------------------------------------------|---------------------------------------------------------------|
| Catalog Number:<br>CL488-84073-11   | GenBank Accession Number:<br>NM_002354.3        | Purification Method:<br>Protein A purification                |
| Source:<br>Rabbit                   | GeneID (NCBI):<br>4072                          | CloneNo.:<br>250626D3                                         |
| Isotype:<br>IgG                     | UNIPROT ID:<br>P16422                           | Recommended Dilutions:<br>IF/ICC: 1:50-1:500                  |
| Immunogen Catalog Number:<br>EG1370 | Full Name:<br>epithelial cell adhesion molecule | Excitation/Emission maxima<br>wavelengths:<br>493 nm / 522 nm |
|                                     | Calculated MW:<br>35 kDa                        |                                                               |

## Applications

|                                |                                             |
|--------------------------------|---------------------------------------------|
| Tested Applications:<br>IF/ICC | Positive Controls:<br>IF/ICC : MCF-7 cells, |
| Species Specificity:<br>human  |                                             |

## 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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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 Methanol)  
fixed MCF-7 cells using CoraLite® Plus 488  
EPCAM/CD326 antibody (CL488-84073-11, Clone:  
250626D3 ) at dilution of 1:200.