

For Research Use Only

# CoraLite® Plus 488-conjugated EPCAM/CD326 Monoclonal antibody



Catalog Number: CL488-66316

1 Publications

## Basic Information

<b>Catalog Number:</b> CL488-66316	<b>GenBank Accession Number:</b> BC014785	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4072	<b>CloneNo.:</b> 2A2D5
<b>Source:</b> Mouse	<b>Full Name:</b> epithelial cell adhesion molecule	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 314 aa, 35 kDa	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG15393	<b>Observed MW:</b> 35-40 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : HT-29 cells, MCF-7 cells
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> 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. (PMID: 20837599; 19249674; 21576002; 22647938)

## Notable Publications

Author	Pubmed ID	Journal	Application
Xin Zhou	36243809	Cell Death Discov	WB

## Storage

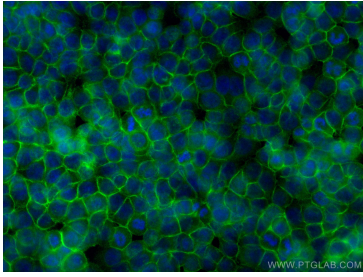
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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 Methanol) fixed HT-29 cells using CoraLite® Plus 488 EPCAM/CD326 antibody (CL488-66316, Clone: 2A2D5 ) at dilution of 1:200.