

EPCAM/CD326 Recombinant monoclonal antibody

Catalog Number: 84073-11-RR

Basic Information

Catalog Number: 84073-11-RR	GenBank Accession Number: NM_002354.3	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 4072	CloneNo.: 250626D3
Isotype: IgG	UNIPROT ID: P16422	Recommended Dilutions: IHC: 1:250-1:1000 IF/ICC: 1:200-1:800
Immunogen Catalog Number: EG1370	Full Name: epithelial cell adhesion molecule	
	Calculated MW: 35 kDa	

Applications

Tested Applications: IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	IHC : human colon tissue, human skin tissue IF/ICC : MCF-7 cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

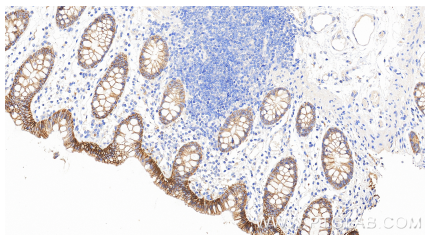
Background Information

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)

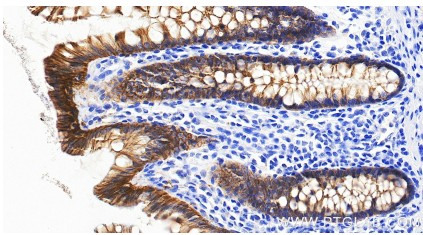
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

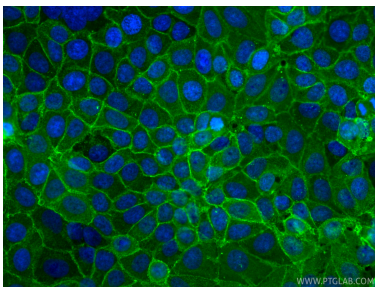
Selected Validation Data



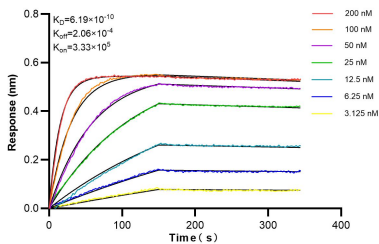
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 84073-11-RR (EPCAM/CD326 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using EPCAM/CD326 antibody (84073-11-RR, Clone: 250626D3) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84073-11-RR against Human EPCAM/CD326 were performed. The affinity constant is 0.619 nM.