

# CD326 (EpCAM) Monoclonal Antibody (G8.8), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	G8.8
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1659713

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	13 Publications
Immunocytochemistry (ICC/IF)	-	8 Publications
Flow Cytometry (Flow)	0.25 µg/test	37 Publications
Affinity Purification (AP)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

## Product Specific Information

Description: The G8.8 monoclonal antibody reacts with the 40 kDa mouse EpCAM (epithelial cellular adhesion molecule), also known as EGP40 (epithelial glycoprotein 40), 17-1A antigen, TACSTD1 (tumor-associated calcium signal transducer 1), and CD326. The immunogen used to generate the G8.8 antibody was the TE-71 thymic epithelial cell line. CD326 is expressed on the majority of epithelial cells, and is considered a pan-carcinoma antigen. CD326 mediates calcium-independent, homophilic, cell-cell adhesion and may function as a growth factor receptor. The antigen is being used as a target for immunotherapy treatment of human carcinomas. CD326 binds LAIR-1 (CD305) and LAIR-2 (CD306) to inhibit cellular activation and inflammation. This epithelial glycoprotein is now recognized as having an important role in tumor biology.

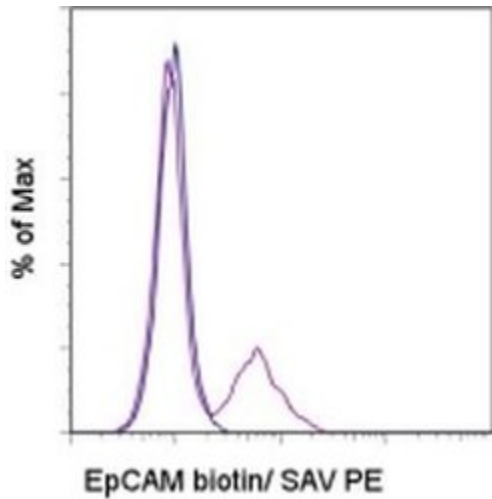
Applications Reported: This G8.8 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This G8.8 antibody has been tested by flow cytometric analysis of the TE-71 cell line. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the

antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.

### Product Images For CD326 (EpCAM) Monoclonal Antibody (G8.8), Biotin, eBioscience™



#### CD326 (EpCAM) Antibody (13-5791-82) in Flow

Staining of the TE-71 cell line with 0.125 µg of Rat IgG2a kappa Isotype Control Biotin (Product # 13-4321-82) (blue histogram) or 0.125 µg of Anti-Mouse CD326 (EpCAM) Biotin (purple histogram) followed by Streptavidin PE (Product # 12-4317-87). Total viable cells were used for analysis.

[View more figures on thermofisher.com](https://www.thermofisher.com)

## Immunohistochemistry (13)

### Nephron

#### Tissue Inhibitor of Metalloproteinases-2 Mediates Kidney Injury during Sepsis.

"Published figure using CD326 (EpCAM) monoclonal antibody (Product # 13-5791-82) in Immunohistochemistry"

Authors: Wen X,Zhang J,Wan X,Frank AA,Qu X,Kellum JA

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2021

### Mucosal immunology

#### T cells compose a developmentally regulated intrauterine population and protect against vaginal candidiasis.

"Published figure using CD326 (EpCAM) monoclonal antibody (Product # 13-5791-82) in Immunohistochemistry"

Authors: Monin L,Ushakov DS,Arnesen H,Bah N,Jandke A,Muñoz-Ruiz M,Carvalho J,Joseph S,Almeida BC,Green MJ, Nye E,Hatano S,Yoshikai Y,Curtis M,Carlsen H,Steinhoff U,Boysen P,Hayday A

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2020

[View more IHC references on thermofisher.com](#)

## Immunocytochemistry (8)

### BMC research notes

#### The effects of hedgehog ligand neutralising antibody 5E1 in a mouse model of endometriosis.

"Published figure using CD326 (EpCAM) monoclonal antibody (Product # 13-5791-82) in Immunocytochemistry"

Authors: Cousins FL,Farley JK,Kerrigan R,Mukherjee S,Darzi S,Gargett CE,Deane JA

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2020

### Immunity

#### Osteopontin Expression Identifies a Subset of Recruited Macrophages Distinct from Kupffer Cells in the Fatty Liver.

"Published figure using CD326 (EpCAM) monoclonal antibody (Product # 13-5791-82) in Immunocytochemistry"

Authors: Remmerie A,Martens L,Thoné T,Castoldi A,Seurinck R,Pavie B,Roels J,Vanneste B,De Prijck S, Vanhockerhout M,Binte Abdul Latib M,Devisscher L,Hoorens A,Bonnardel J,Vandamme N,Kremer A,Borghgraef P,Van Vlierberghe H,Lippens S,Pearce E,Saeyns Y,Scott CL

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2020

[View more ICC/IF references on thermofisher.com](#)

## More applications with references on thermofisher.com

Flow (37)

AP (1)

Misc (1)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.