

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

| Product Details | |
|-----------------------------|---|
| Size | 25 µg |
| Species Reactivity | Mouse |
| Published Species | Mouse, Human |
| Host/Isotype | Rat / IgG2a, kappa |
| Recommended Isotype Control | Rat IgG2a kappa Isotype Control (eBR2a), FITC, eBioscience™ |
| Class | Monoclonal |
| Type | Antibody |
| Clone | G8.8 |
| Conjugate | FITC |
| Excitation/Emission Max | 498/517 nm |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Amount | 25 µg |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2 |
| Contains | 0.09% sodium azide |
| Storage conditions | 4°C, store in dark, DO NOT FREEZE! |
| RRID | AB_11151327 |

| Applications | Tested Dilution | Publications |
|---|-----------------|-----------------|
| Immunohistochemistry (IHC) | - | 15 Publications |
| Immunohistochemistry (Paraffin) (IHC (P)) | - | 2 Publications |
| Immunohistochemistry (Frozen) (IHC (F)) | - | 2 Publications |
| Immunocytochemistry (ICC/IF) | - | 16 Publications |
| Flow Cytometry (Flow) | 0.5 µg/test | 77 Publications |
| Affinity Purification (AP) | - | 1 Publication |

Product Specific Information

Description: The G8.8 monoclonal antibody reacts with the 40 kDa protein 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.

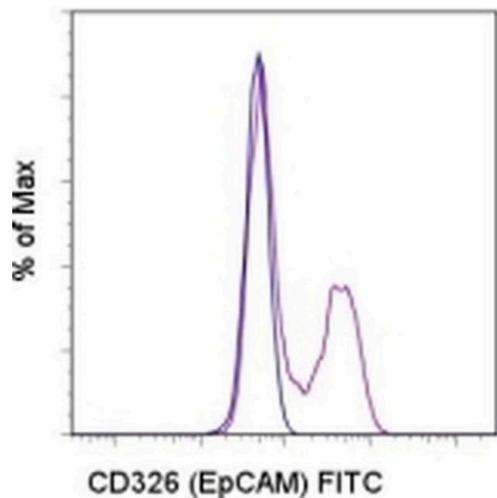
Applications Tested: This G8.8 antibody has been tested by flow cytometric analysis of the TE-71 cell line. This can be used at

less than or equal to 0.5 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD326 (EpCAM) Antibody (11-5791-80) in Flow

Staining of the TE-71 cell line with 0.25 µg of Rat IgG2a K Isotype Control FITC (Product # 11-4321-42) (blue histogram) or 0.25 µg of Anti-Mouse CD326 (EpCAM) FITC (purple histogram). Total viable cells, as determined by Fixable Viability Dye eFluor® 450, were used for analysis.

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Immunohistochemistry (15)

Cancer discovery

Oncogenic KRAS Drives Lipofibrogenesis to Promote Angiogenesis and Colon Cancer Progression.

"11-5791 was used in Immunohistochemistry-immunofluorescence to identify a molecular mechanism contributing to KRAS*-driven colorectal cancer progression via fibroblast transformation in the tumor microenvironment to produce VEGFA driving tumor angiogenesis."

Authors: Hsu WH,LaBella KA,Lin Y,Xu P,Lee R,Hsieh CE,Yang L,Zhou A,Blecher JM,Wu CJ,Lin K,Shang X,Jiang S, Spring DJ,Xia Y,Chen P,Shen JP,Kopetz S,DePinho RA

Year
2023

Species
Mouse

SLAS discovery : advancing life sciences R & D

The CellRaft AIR system: A novel system enabling organoid imaging, identification, and isolation.

"11-5791 was used in Immunohistochemistry-immunofluorescence to demonstrate the use of this technology for single-organoid imaging, clonal organoid generation, parent organoid subcloning, and single-organoid RNA extraction for downstream gene expression or transcriptomic analysis."

Authors: Stern A,Thompson B,Williams K,McClellan R,Gebhart S,Hartman J

Year
2022

Species
Mouse

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

Immunohistochemistry (Paraffin) (2)

Immunity

A nonredundant role for T cell-derived interleukin 22 in antibacterial defense of colonic crypts.

"11-5791-82 was used in Immunohistochemistry (Paraffin) to demonstrate spatiotemporal differences in the production and action of IL-22 by ILCs and T cells during infection and reveal an indispensable role for IL-22-producing T cells in the protection of the intestinal crypts."

Authors: Zindl CL,Witte SJ,Laufer VA,Gao M,Yue Z,Janowski KM,Cai B,Frey BF,Silberger DJ,Harbour SN,Singer JR, Turner H,Lund FE,Vallance BA,Rosenberg AF,Schoeb TR,Chen JY,Hatton RD,Weaver CT

Year
2022

Species
Mouse

Nephron

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

"11-5791-80 was used in Immunohistochemistry (Paraffin) to propose that urinary tissue inhibitor of metalloproteinases-2 mediates sepsis-associated acute kidney injury and appears to be a viable drug target."

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

Year
2021

Species
Mouse

More applications with references on thermofisher.com

IHC (F) (2)

ICC/IF (16)

Flow (77)

AP (1)

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