

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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotope	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	G8.8
Conjugate	APC
Form	Liquid
Concentration	0.2 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_2716944

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	44 Publications
ChIP assay (ChIP)	-	1 Publication
Functional Assay (FN)	-	1 Publication
Immunofluorescence (IF)	-	4 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunohistochemistry (IHC)	-	2 Publications

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.

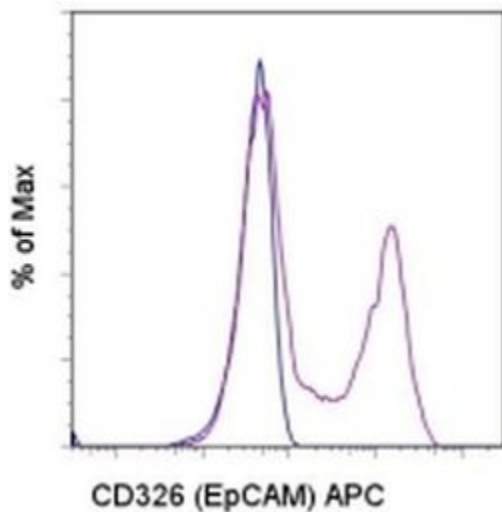
Applications Tested: This G8.8 antibody has been tested by flow cytometric analysis of the TE-71 cell line. This can be used at

less than or equal to 0.125 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: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD326 (EpCAM) Antibody (17-5791-82) in Flow

Staining of the TE-71 cell line with 0.06 µg of Rat IgG2a K Isotype Control APC (Product # 17-4321-81) (blue histogram) or 0.06 µg of Anti-Mouse CD326 (EpCAM) APC (purple histogram). Total viable cells, as determined by Fixable Viability Dye eFluor® 450, were used for analysis.

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

Flow Cytometry (44)

Frontiers in immunology

FXYD5 Is an Essential Mediator of the Inflammatory Response during Lung Injury.

"17-5791 was used in Flow cytometry/Cell sorting to confirm that FXYD5 induces a range of pro-inflammatory effects."

Authors: Brazee PL, Soni PN, Tokhtaeva E, Magnani N, Yemelyanov A, Perlman HR, Ridge KM, Sznajder JI, Vagin O, Dada LA

Species
Mouse

Dilution
Not Cited

Year
2019

Frontiers in immunology

ATF3 Sustains IL-22-Induced STAT3 Phosphorylation to Maintain Mucosal Immunity Through Inhibiting Phosphatases.

"Published figure using CD326 (EpCAM) monoclonal antibody (Product # 17-5791-82) in Flow Cytometry"

Authors: Glal D, Sudhakar JN, Lu HH, Liu MC, Chiang HY, Liu YC, Cheng CF, Shui JW

Species
Not Applicable

Dilution
Not Cited

Year
2019

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

Immunofluorescence (4)

Stem cell reports

Reconstructing Lineage Hierarchies of Mouse Uterus Epithelial Development Using Single-Cell Analysis.

"17-5791 was used in Flow cytometry/Cell sorting to analyze the molecular and cellular mechanisms of uterine epithelial development by single-cell analysis."

Authors: Wu B, An C, Li Y, Yin Z, Gong L, Li Z, Liu Y, Heng BC, Zhang D, Ouyang H, Zou X

Species
Mouse

Dilution
Not Cited

Year
2017

Nature

A Wnt-producing niche drives proliferative potential and progression in lung adenocarcinoma.

"17-5791 was used in Immunohistochemistry on frozen tissues to elucidate the presence of two distinct subpopulations of lung adenocarcinoma cells which drive proliferation and progression through Wnt signalling."

Authors: Tammela T, Sanchez-Rivera FJ, Cetinbas NM, Wu K, Joshi NS, Helenius K, Park Y, Azimi R, Kerper NR, Wesselhoeft RA, Gu X, Schmidt L, Cornwall-Brady M, Yilmaz ÖH, Xue W, Katajisto P, Bhutkar A, Jacks T

Species
Mouse

Dilution
Not Cited

Year
2017

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More applications with references on thermofisher.com

IHC (F) (1)

ChIP (1)

IHC (2)

FN (1)

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