

CD326 (EpCAM) Monoclonal Antibody (G8.8), PE, 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), PE, eBioscience
Class	Monoclonal
Type	Antibody
Clone	G8.8
Conjugate	PE
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_953615

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	40 Publications
Immunocytochemistry (ICC/IF)	-	2 Publications
Peptide Array (Array)	-	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.

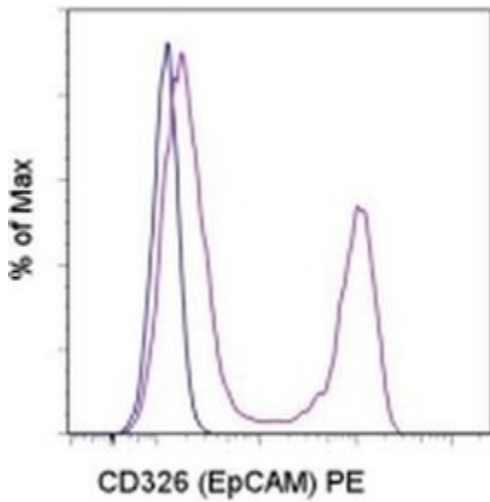
Applications Reported: This G8.8 antibody has been reported for use in flow cytometric analysis.

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 0.125 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: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD326 (EpCAM) Antibody (12-5791-82) in Flow

Staining of the TE-71 cell line with 0.06 µg of Rat IgG2a kappa Isotype Control PE (Product # 12-4321-80) (blue histogram) or 0.06 µg of Anti-Mouse CD326 (EpCAM) PE (purple histogram). Total viable cells were used for analysis.

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Flow Cytometry (40)

Disease models & mechanisms

Glycoprotein A33 deficiency: a new mouse model of impaired intestinal epithelial barrier function and inflammatory disease.

"Published figure using CD326 (EpCAM) monoclonal antibody (Product # 12-5791-82) in Flow Cytometry"

Authors: Williams BB, Tebbutt NC, Buchert M, Putoczki TL, Doggett K, Bao S, Johnstone CN, Masson F, Hollande F, Burgess AW, Scott AM, Ernst M, Heath JK

Species
Not Applicable

Dilution
Not Cited

Year
2015

Nature

DND1 maintains germline stem cells via recruitment of the CCR4-NOT complex to target mRNAs.

"Published figure using CD326 (EpCAM) monoclonal antibody (Product # 12-5791-82) in Flow Cytometry"

Authors: Yamaji M, Jishage M, Meyer C, Suryawanshi H, Der E, Yamaji M, Garzia A, Morozov P, Manickavel S, McFarland HL, Roeder RG, Hafner M, Tuschl T

Species
Not Applicable

Dilution
Not Cited

Year
2017

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

Immunocytochemistry (2)

Journal of lipid research

ABCG1 regulates pulmonary surfactant metabolism in mice and men.

"12-5791 was used in Immunocytochemistry to establish a critical role for T2 cell ABCG1 in controlling surfactant and overall lipid homeostasis in the lung."

Authors: de Aguiar Vallim TQ, Lee E, Merriott DJ, Goulbourne CN, Cheng J, Cheng A, Gonen A, Allen RM, Palladino END, Ford DA, Wang T, Baldán Á, Tarling EJ

Species
Mouse

Dilution
Not Cited

Year
2017

Nature biotechnology

Lineage conversion induced by pluripotency factors involves transient passage through an iPSC stage.

"12-5791 was used in Immunocytochemistry to elucidate the conditions necessary for the generation of induced neural stem cells from fibroblasts using OKSM factors."

Authors: Bar-Nur O, Verheul C, Sommer AG, Brumbaugh J, Schwarz BA, Lipchina I, Huebner AJ, Mostoslavsky G, Hochedlinger K

Species
Mouse

Dilution
1:200

Year
2015

More applications with references on thermofisher.com

[Array \(1\)](#)

[Misc \(1\)](#)

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