

CD326 (EpCAM) Monoclonal Antibody (G8.8), APC-eFluor 780, 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), APC-eFluor 780, eBioscience
Class	Monoclonal
Type	Antibody
Clone	G8.8
Conjugate	APC-eFluor® 780
Form	Liquid
Concentration	0.2 mg/mL
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_2573986

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	31 Publications

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 0.125 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.

APC-eFluor 780 emits at 780 nm and is excited with the Red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochoime.

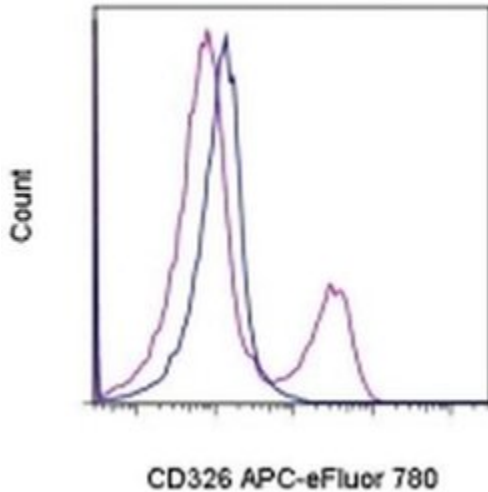
Light sensitivity: This tandem is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 μ L cell sample + 100 μ L IC Fixation Buffer) or 1-step Fix /Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 633-647 nm; Emission: 780 nm; Laser: Red Laser.

Filtration: 0.2 μ m post-manufacturing filtered.

Product Images For CD326 (EpCAM) Monoclonal Antibody (G8.8), APC-eFluor 780, eBioscience



CD326 (EpCAM) Antibody (47-5791-82) in Flow

Staining of the TE-71 cell line with 0.06 μ g of Rat IgG2a K Isotype Control APC-eFluor® 780 (Product # 47-4321-82) (blue histogram) or 0.06 μ g of Anti-Mouse CD326 (EpCAM) APC-eFluor® 780 (purple histogram). Total viable cells were used for analysis.

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Flow Cytometry (31)

Nature medicine

Immune complexes stimulate CCR7-dependent dendritic cell migration to lymph nodes.

"Published figure using CD326 (EpCAM) monoclonal antibody (Product # 47-5791-82) in Flow Cytometry"

Authors: Clatworthy MR, Aronin CE, Mathews RJ, Morgan NY, Smith KG, Germain RN

Species
Human
Not Applicable

Dilution
Not Cited
Not Cited

Year
2014

Disease models & mechanisms

The MMTV-Wnt1 murine model produces two phenotypically distinct subtypes of mammary tumors with unique therapeutic responses to an EGFR inhibitor.

"Published figure using CD326 (EpCAM) monoclonal antibody (Product # 47-5791-82) in Flow Cytometry"

Authors: Pfeffeferle AD, Darr DB, Calhoun BC, Mott KR, Rosen JM, Perou CM

Species
Not Applicable

Dilution
Not Cited

Year
2019

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More applications with references on thermofisher.com

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