

# CD321 (F11R) Monoclonal Antibody (CSTEM27), Alexa Fluor™ 488, eBioscience™

| Product Details             |                                                                           |
|-----------------------------|---------------------------------------------------------------------------|
| Size                        | 100 Tests                                                                 |
| Species Reactivity          | Human                                                                     |
| Host/Isotype                | Mouse / IgG2a, kappa                                                      |
| Recommended Isotype Control | Mouse IgG2a kappa Isotype Control (eBM2a), Alexa Fluor™ 488, eBioscience™ |
| Class                       | Monoclonal                                                                |
| Type                        | Antibody                                                                  |
| Clone                       | CSTEM27                                                                   |
| Conjugate                   | Alexa Fluor™ 488                                                          |
| Excitation/Emission Max     | 499/520 nm                                                                |
| Form                        | Liquid                                                                    |
| Concentration               | 5 µL/Test                                                                 |
| Purification                | Affinity chromatography                                                   |
| Storage buffer              | PBS, pH 7.2, with 0.2% BSA                                                |
| Contains                    | 0.09% sodium azide                                                        |
| Storage conditions          | 4° C, store in dark, DO NOT FREEZE!                                       |
| RRID                        | AB_2688308                                                                |

| Applications                 | Tested Dilution     | Publications   |
|------------------------------|---------------------|----------------|
| Western Blot (WB)            | -                   | 2 Publications |
| Immunocytochemistry (ICC/IF) | 5 µg/mL             | -              |
| Flow Cytometry (Flow)        | 5 µL (0.25 µg)/test | -              |

## Product Specific Information

This monoclonal antibody CSTEM27 reacts with human CD321 (F11R, JAM-1, JAM-A).

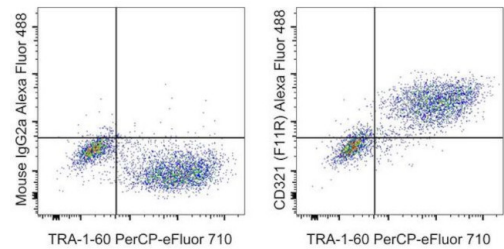
Applications Reported: This CSTEM27 antibody has been reported for use in immunocytochemical staining and flow cytometric analysis.

This CSTEM27 antibody has been tested by immunocytochemistry of adherent cells. This can be used at less than or equal to 5 µg/mL. This CSTEM27 antibody has also been tested by flow cytometric analysis of human iPSCs. This may be used at 0.25 µg/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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

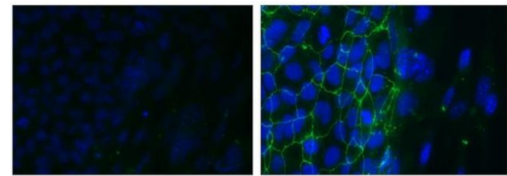
Excitation: 488 nm; Emission: 519 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD321 (F11R) Monoclonal Antibody (CSTEM27), Alexa Fluor™ 488, eBioscience™



**CD321 (F11R) Antibody (53-3219-42) in Flow**  
Staining of a mixture of human iPSC and the C2C12 murine cell line with Anti-Human TRA-1-60 PerCp-eFluor 710 (Product # 46-8863-82) and Mouse IgG2a K Isotype Control Alexa Fluor® 488 (Product # 53-4724-80) (left) or Anti-Human CD321 (F11R) Alexa Fluor® 488 (right).



**CD321 (F11R) Antibody (53-3219-42) in ICC/IF**  
Immunocytochemistry of fixed and permeabilized human iPSCs plated on murine derived feeder cells using 5 µg/mL Mouse IgG2a K Isotype Control Alexa Fluor® 488 (Product # 53-4724-80) (left) or 5 µg/mL Anti-CD321 (F11R) Alexa Fluor® 488 (right). Nuclei are stained with DAPI. An iPSC colony (positive staining) and murine derived feeder cells (negative staining) are in both fields of view above.

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

2 References

Western Blot (2)

|                                                                                                                                                                                                                           |              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Frontiers in cellular and infection microbiology                                                                                                                                                                          | Year<br>2022 |
| <b>Control of <i>CDH1E</i>-Cadherin Gene Expression and Release of a Soluble Form of E-Cadherin in SARS-CoV-2 Infected Caco-2 Intestinal Cells: Physiopathological Consequences for the Intestinal Forms of COVID-19.</b> |              |
| "Published figure using CD321 (F11R) monoclonal antibody (Product # 53-3219-42) in Western Blot"                                                                                                                          |              |
| Authors: Osman IO,Garrec C,de Souza GAP,Zarubica A,Belhaouari DB,Baudoin JP,Lepidi H,Mege JL,Malissen B, Scola B,Devaux CA                                                                                                |              |
|                                                                                                                                                                                                                           |              |
| Frontiers in cardiovascular medicine                                                                                                                                                                                      | Year<br>2021 |
| <b>SARS-CoV-2 Spike Protein Induces Degradation of Junctional Proteins That Maintain Endothelial Barrier Integrity.</b>                                                                                                   |              |
| "Published figure using CD321 (F11R) monoclonal antibody (Product # 53-3219-42) in Western Blot"                                                                                                                          |              |
| Authors: Raghavan S,Kenchappa DB,Leo MD                                                                                                                                                                                   |              |

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