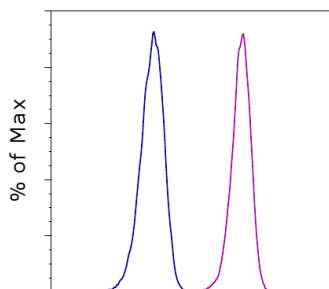


Anti-Human CD325 (N-Cadherin) PerCP-eFluor[®] 710

Catalog Number: 46-3259

Also known as: neural cadherin

RUO: For Research Use Only. Not for use in diagnostic procedures.



CD325 PerCP-eFluor 710

Staining of HeLa cells with Mouse IgG1 K Isotype Control PerCP-eFluor[®] 710 (cat. 46-4714) (blue histogram) or Anti-Human CD325 (N-Cadherin) PerCP-eFluor[®] 710 (purple histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Human CD325 (N-Cadherin) PerCP-eFluor[®] 710

REF **Catalog Number:** 46-3259

Clone: 8C11

Concentration: 5 uL (0.125 ug)/test

Host/Isotype: Mouse IgG1, k

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial



LOT



Description

The 8C11 monoclonal antibody reacts with human CD325, also known as N-Cadherin. CD325 is a 130 kDa member of the Cadherin superfamily, and consists of five extracellular repeats, a transmembrane domain and a cytoplasmic domain. CD325 deficient mice die at day 10 of gestation and embryos display major heart defects and malformed neural tubes and somites. Consistent with this, CD325 has been implicated in several aspects of cardiac development including the precardiac mesoderm, establishment of left-right symmetry and cardiac looping morphogenesis. Furthermore, CD325 is normally involved in inducing cell cycle arrest and its expression is frequently dysregulated in cancer cells.

Applications Reported

This 8C11 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This 8C11 antibody has been pre-titrated and tested by flow cytometric analysis of HeLa cell line. This can be used at 5 µL (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.

PerCP-eFluor[®] 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor[®] 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor[®] 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Click here or contact eBioscience Technical Support for more information on eFluor[™] Organic Dyes including PerCP-eFluor[®] 710.

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References

Wahl JK 3rd, Kim YJ, Cullen JM, Johnson KR, Wheelock MJ. N-cadherin-catenin complexes form prior to cleavage of the proregion and transport to the plasma membrane. J Biol Chem. 2003 May 9;278(19):17269-76. Epub 2003 Feb 25. (8C11, WB, PubMed)

Puch S, Armeanu S, Kibler C, Johnson KR, Müller CA, Wheelock MJ, Klein G. N-cadherin is developmentally regulated and functionally involved in early hematopoietic cell differentiation. J Cell Sci. 2001 Apr;114(Pt 8):1567-77. (8C11, FC, PubMed)

Related Products

46-4714 Mouse IgG1 K Isotype Control PerCP-eFluor® 710 (P3.6.2.8.1)

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