beta Catenin Monoclonal Antibody (15B8), eFluor 660, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human, Mouse
Published Species	Human
Host/Isotope	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), eFluor 660, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	15B8
Conjugate	eFluor® 660
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_11218086

Applications	Tested	Dilution	Published
Immunofluorescence (IF)	-		1 Publication
Flow Cytometry (Flow)	✓	5 µL (0.125 µg)/test	

Product Specific Information

Description: The 15B8 monoclonal antibody reacts with human and mouse beta-catenin, one member of a family of catenins, which are intracellular proteins that interact with cadherins to mediate cellular adhesion. More specifically, beta-catenin binds to the cytoplasmic tail of E-cadherin. In addition, this molecule is a component of the canonical Wnt signaling pathway. In the absence of Wnt binding its receptor, beta-catenin is phosphorylated and resides in the cytoplasm where it is eventually targeted for degradation by ubiquitination. Upon Wnt binding, beta-catenin becomes dephosphorylated, translocates to the nucleus, and modulates gene expression in partnership with the transcription factors T cell factor (TCF) and lymphocyte enhancer binding factor (LEF). Expression of beta-catenin is found in a wide variety of non-immune and immune tissues, including thymocytes and T and B lymphocytes. The Wnt and beta-catenin signaling pathway has been demonstrated to play a crucial role in the development of T, B, and hematopoietic stem cells.

Applications Reported: This 15B8 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested: This 15B8 antibody has been tested by intracellular staining and flow cytometric analysis of the Jurkat cell line using the Foxp3/Transcription Factor Staining Buffer Set (cat. 00-5523). This can be used at less than or equal to 0.25 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for

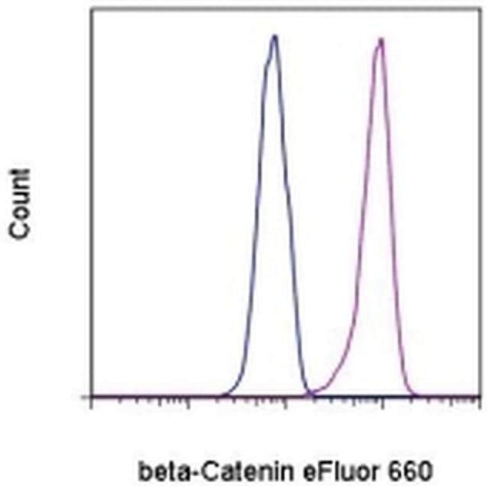
optimal performance in the assay of interest.

eFluor® 660 is a replacement for Alexa Fluor® 647. eFluor® 660 emits at 659 nm and is excited with the red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochome.

Excitation: 633-647 nm; Emission: 668 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For beta Catenin Monoclonal Antibody (15B8), eFluor 660, eBioscience™



beta Catenin Antibody (50-2567-42) in Flow
Intracellular staining of Jurkat cells with Mouse IgG1 K Isotype Control eFluor® 660 (Product # 50-4714-82) (blue histogram) or Anti-Human/Mouse beta-Catenin eFluor® 660 (purple histogram) using the Foxp3/Transcription Factor Staining Buffer Set (Product # 00-5523-00) and protocol. Total cells were used for analysis.

1 Reference

Immunofluorescence (1)

Cell death and disease

Blocking the epithelial-to-mesenchymal transition pathway abrogates resistance to anti-folate chemotherapy in lung cancer.

"Published figure using beta Catenin monoclonal antibody (Product # 50-2567-42) in Immunofluorescence"

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Species
Human

Dilution
Not Cited

Year
2015