SONY

# Product Data Sheet

## PE anti-β Catenin 1

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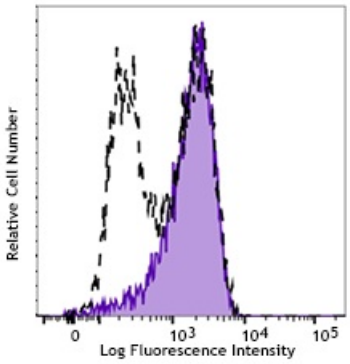
| **Catalog # / Size:** | 4913015 / 25 tests<br>4913020 / 100 tests |
| **Clone:** | 15B8 |
| **Isotype:** | Mouse IgG1, κ |
| **Reactivity:** | Human, Mouse, Rat |
| **Preparation:** | The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions. |
| **Formulation:** | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA) |
| **Concentration:** | lot-specific |




Human colon adenocarcinoma cell line SW480 treated (open historgram) or untreated (filled histogram) with tankyrase inhibitor XAV939 for 18 hours, then treated with True-Nuclear™ Transcription Factor Buffer set (Cat. No. 2722005) and stained with anti-β Catenin 1 (clone 12F7) PE.

## Applications:

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| **Applications:** | Intracellular Flow Cytometry |
| **Recommended Usage:** | Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. |

**Application References:**


1. Guo J, *et al.* 2018. *Cell Res.* 28:1141 (IHC-P)
2. Kisoh K, *et al.* 2017. *Mol Neurobiol.* 54:7917 (WB)
3. Uribe RA, *et al.* 2015. *J Cell Biol.* 4:815 (IHC-F)


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**Description:** β catenin is part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. The encoded protein also anchors the actin cytoskeleton and may be responsible for transmitting the contact inhibition signal that causes cells to stop dividing once the epithelial sheet is complete. β catenin also plays a key role in Wnt signaling pathways and thus is involved in neural differentiation, synaptic plasticity, neurodegenerative disease, and prevention of apoptosis. This protein also binds to adenomatous polyposis coli, which is mutated in the adenomatous polyposis of the colon.

**Antigen References:**


1. Dias C, *et al.* 2014. *Nature.* 516(7529): 51
2. Rosiles A, *et al.* 2016. *CNS Neurol Disord Drug Targets.* 15(1):3
3. Na K, *et al.* 2017. *Anticancer Res.* 37(6):3249
4. Zhu P, *et al.* 2018. *Cancer Res Treat.* 50(4):1452





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