



## PRODUCT DATA SHEET

**Product:** Anti-Beta-Catenin, clone 9F2

**Cat. No.:** MC-211 (1 mL)

**Description:**

Beta-catenin belongs together with alpha- and gamma-catenin to the catenin family. Catenins mediate cell-cell adhesion by interaction with cadherins. Beta-catenin is highly homologous to gamma-catenin (plakoglobin) although its function differs from that of plakoglobin. Whereas plakoglobin has been found to suppress tumorigenicity, beta-catenin potentiates hyperproliferation and tumor formation. In the nucleus beta-catenin complexes with transcription factors and thus regulates the expression of specific genes. By its dual role, i.e. a structural role in cell-cell junctions and a regulatory role in the nucleus, beta-catenin can transduce changes in cell adhesion and junction formation to control transmembrane signaling and gene expression.

**Specificity:**

Reacts with beta-catenin.

**Ig Isotype:**

Mouse IgG<sub>1</sub>

**Species Reactivity:**

Human. Others not tested.

**Format:**

1 mL at 100 µg/mL of 0.2 µm filtered antibody solution in PBS, containing 0.02% sodium azide and 0.1% protein stabilizer.

**Storage:**

Store at 4 °C.

**Applications and Suggested Dilutions:**

- Immunofluorescence: (cells fixed in paraformaldehyde) Use at a 1:10 dilution.
- Immunoprecipitation
- Western blotting: Use at a 1:10 dilution.

The optimal dilution for a specific application should be determined by the researcher.

**Limitations:**

For *in vitro* research use only. Not for use in diagnostics or in humans.

**Warranty:**

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.