



PRODUCT DATA SHEET

Product: Anti-Plakoglobin, clone 15F11

Cat. No.: MC-237 (1 mL)

Synonyms:

Gamma-catenin

Description:

Plakoglobin belongs together with alpha- and beta-catenin to the catenin family. Catenins mediate cell-cell adhesion by interaction with cadherins. Plakoglobin is found in desmosomes and adherens junctions. Plakoglobin is highly homologous to beta-catenin although its function differs from that of beta-catenin. Whereas beta-catenin has been found in potentiating hyperproliferation and tumor formation, plakoglobin can suppress tumorigenicity. Overexpression of plakoglobin has been shown to suppress cell proliferation and cell tumorigenicity in animals. Furthermore reduced plakoglobin expression has been found in tumor tissues and metastatic lesions of renal cells, esophageal carcinomas and in skin carcinomas.

Specificity:

Reacts with human plakoglobin. Cross-reacts with rat and weakly cross-reacts with mouse plakoglobin.

Isotype:

Mouse IgG₁

Species Reactivity:

Human, mouse and rat. Others not tested.

Format:

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

Storage:

Store at 4°C.

Applications:

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