

## 36-2629: Anti-Catenin, gamma (Cardiomyocyte Marker) Monoclonal Antibody(Clone: 11E4)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	11 E 4
<b>Application :</b>	FACS,WB,IF
<b>Reactivity :</b>	Human
<b>Gene :</b>	JUP
<b>Gene ID :</b>	3728
<b>Uniprot ID :</b>	P14923
<b>Alternative Name :</b>	ARVD12; Catenin (cadherin-associated protein), gamma 80kDa; Catenin gamma; CTNNG; Desmoplakin III; Desmoplakin-3; DP3; DP111; Junction Plakoglobin; PDGB; PKGB
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Recombinant full length human plakoglobin, fused to maltose binding protein

### Description

It recognizes a protein of 80-87kDa, identified as gamma-catenin. The catenins ( , , and ) are ubiquitously expressed, cytoplasmic proteins that associate with E-cadherin at cellular junctions. Catenin/cadherin complexes play an important role in mediating cellular adhesion. T-catenin, also referred to as VR22, is a 895-amino acid protein that is most abundantly expressed in cardio-myocytes and in the peritubular myoid cells of the testis. T-catenin binds to E-catenin as well as to -catenin, and it functions to inhibit Wnt signaling. CTNNA3, the gene that encodes for -T-catenin, is located on chromosome 10, and mutations in this gene show a strong correlation to late-onset Alzheimer s disease (LOAD) as well as to dilated cardiomyopathy.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

### Application Note

Flow Cytometry (1-2ug/million cells); ,Immunofluorescence (1-2ug/ml); ,Western Blot (1-2ug/ml);,

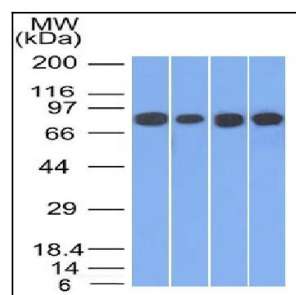


Fig. 1: Western Blot of HT20, A549, 293 and A431 cell lysates using C Catenin, gamma Mouse Monoclonal Antibody (11E4).

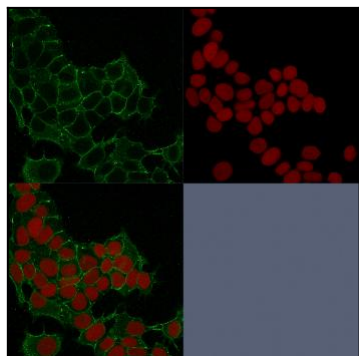


Fig. 2: Confocal immunofluorescence image of HeLa cells using Catenin, gamma Mouse Monoclonal Antibody (11E4) Green (CF488) and Reddot is used to label the nuclei Red.

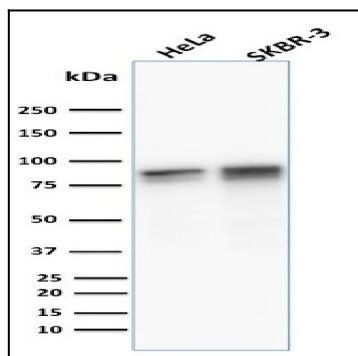


Fig. 3: Western Blot Analysis of human HeLa and SKBR3 cell lysate using Catenin, gamma Mouse Monoclonal Antibody (11E4)

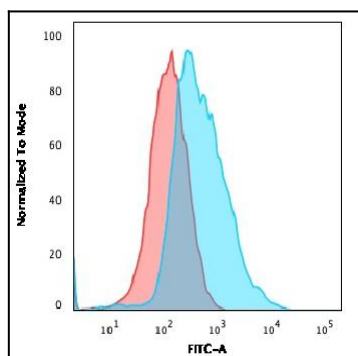


Fig. 4: Flow Cytometric Analysis of PFA-fixed MCF cells. Catenin, gamma Mouse Monoclonal Antibody (11E4) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).