

For Research Use Only

# CoraLite®488-conjugated Beta Catenin Monoclonal antibody



Catalog Number:CL488-66379

## Basic Information

<b>Catalog Number:</b> CL488-66379	<b>GenBank Accession Number:</b> NM_001904	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1499	<b>CloneNo.:</b> 1B8A1
<b>Source:</b> Mouse	<b>Full Name:</b> catenin (cadherin-associated protein), beta 1, 88kDa	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 781 aa, 86 kDa	<b>Excitation/Emission maxima wavelengths:</b> 488 nm / 515 nm

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : MCF-7 cells,
<b>Species Specificity:</b> human, mouse, rat, pig	

## Background Information

β-Catenin, also known as CTNNB1, is an evolutionarily conserved, multifunctional intracellular protein. β-Catenin was originally identified in cell adherens junctions (AJs) where it functions to bridge the cytoplasmic domain of cadherins to α-catenin and the actin cytoskeleton. Besides its essential role in the AJs, β-catenin is also a key downstream component of the canonical Wnt pathway that plays diverse and critical roles in embryonic development and adult tissue homeostasis. The Wnt/β-catenin pathway is also involved in the activation of other intracellular messengers such as calcium fluxes, JNK, and SRC kinases. Deregulation of β-catenin activity is associated with multiple diseases including cancers. (PMID: 22617422; 18334222) This antibody is conjugated with CL488(Ex/Em 488 nm/515 nm).

## Storage

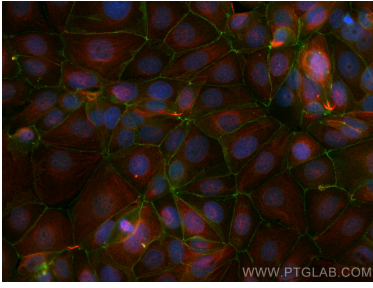
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CoraLite®488 Beta Catenin antibody (CL488-66379, Clone: 1B8A1) at dilution of 1:200, Alpha Tubulin antibody (11224-1-AP, red).