

## Mouse Monoclonal Antibody to CTNNB1

Catalogue Number	sAP-1609
Target Molecule	<b>Name:</b> CTNNB1 <b>Aliases:</b> CTNNB; MRD19; armadillo <b>MW:</b> 85.5kDa <b>Entrez Gene ID: 1499</b>
Description	The protein encoded by this gene 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. Finally, this protein binds to the product of the APC gene, which is mutated in adenomatous polyposis of the colon. Mutations in this gene are a cause of colorectal cancer (CRC), pilomatrixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Alternative splicing results in multiple transcript variants.
Immunogen	Purified recombinant fragment of human CTNNB1 (AA: 1-100) expressed in E. Coli.
Reactive Species	Human;
Clone	MM7C5D2
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: N to A; FCM: 1 to 200 - 1 to 400; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.Anticancer Res. 2016 Apr;36(4):1599-604.2.Int J Clin Exp Pathol. 2015 Nov 1;8(11):14989-94.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**