CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	Beta-Catenin, Human, clone 9F2		
Catalog number	HM2112-20UG		
Lot number	-	**Expiry date**	-
Volume	200 µl	**Amount**	20 µg
Formulation	0.2 µm filtered in PBS+0.1%BSA+0.02%NaN3	**Concentration**	100 µg/ml
Host Species	Mouse IgG1	**Conjugate**	None
Endotoxin	N.A.	**Purification**	Protein G
Storage	4°C		

Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes			•	•			•	•
No								
N.D.	•	•			•	•		

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot

Dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:10.

- IF: cells were fixed in paraformaldehyde.

General Information

Description

Beta-catenin belongs together with alpha- and gamma-catenin to the catenin family. Catenins mediates 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 it 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 signalling and gene expression.

References

1. Johnson, K et al; P- and E-cadherins are in separate complexes in cells expressing both cadherins. Exp Cell Res 1993, *207*: 252
2. Sacco, P et al; Identification of plakoglobin domains required for association with N-cadherin and alpha-catenin. J Biol Chem 1995, *270*: 20201
3. Hakuno, M et al; Dissociation of intra- and extracellular domains of desmosomal cadherins and E-cadherin in Hailey-Hailey disease and Darier's disease. Br J Dermatol 2000, *142*: 702

Storage&stability

Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.

Precautions

For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC
Brenda Teunissen

Date
18/11/2020

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.