

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	Plakoglobin, Human, clone 15F11		
Catalog number	HM2116-100UG		
Lot number	-	Expiry date	-
Volume	1 ml	Amount	100 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	Plakoglobin, also known as gamma-catenin belongs together with alpha- and beta catenin to the catenin family. Catenins mediates 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. The monoclonal antibody 15F11 cross reacts with rat and weakly with mouse.
Aliases	Plakoglobin (gamma-Catenin)
Cross reactivity	Rat: Yes; Mouse: Weak.
References	1. Sacco, P et al; Identification of plakoglobin domains required for association with N-cadherin and alpha-catenin. J Biol Chem 1995, 34: 20201 2. Wahl, J et al; Plakoglobin domains that define its association with the desmosomal cadherins and the classical cadherins: identification of unique and shared domains. J Cell Sci 1996, 109: 1143 3. Lewis, J et al; Cross-talk between adherens junctions and desmosomes depends on plakoglobin. J Cell Biol 1997, 136: 919 4. Amitay, R et al; Reduced expression of plakoglobin correlates with adverse outcome in patients with neuroblastoma. Am J Pathol 2001, 159: 43
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
02/12/2019

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