CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	PLVAP, Human, clone 174/2, FITC conjugated		
Catalog number	HM2214F		
Lot number	-	**Expiry date**	-
Volume	1 ml	**Amount**	100 µg
Formulation	0.2 µm filtered in PBS+1%BSA+0.02%NaN3	**Concentration**	100 µg/ml
Host Species	Mouse IgG1	**Conjugate**	FITC
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 1:50.

General Information

Description

The monoclonal antibody 174/2 reacts with human plasmalemma vesicle associated protein (PLVAP), also known as PV1, PAL-E and FELS. PLVAP is a 60 kDa type II transmembrane glycoprotein which tends to form homodimers. PLVAP is widely expressed in the vasculature of normal tissues. The vascular staining pattern of PLVAP is quite unique among the endothelial cell antigens, since expression of other antigens (like ICAM-1, P-selectin, E-selectin or VCAM-1) is not limited to vascular endothelial cells. PLVAP expression in the vascular endothelial cells of the CNS is lost in association with formation of an intact blood-brain barrier. However, in the endothelium of human brain tumors expression of PLVAP is specifically up-regulated, making it a suitable antiangiogenic target for brain tumor therapy and cerebral edema. Furthermore, PLVAP is expressed in the vasculature of most other human tumors and as such useful as marker for tumor angiogenesis.

Aliases

Plasmalemma Vesicle associated Protein, PV1, PAL-E, FELS

References

1. Niemelä, H et al; Molecular identification of PAL-E, a widely used endothelial-cell marker. Blood 2005, *106*: 3405
2. Carson-Walter, E et al; Plasmalemmal vesicle associated protein-1 is a novel marker implicated in brain tumor angiogenesis. Clin Canc Res 2005, *11*: 7643

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	Date
Robbert Zwinkels	19/03/2018

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