CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	CD26, Rat, clone 5E8		
Catalog number	HM3021		
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.

- IA: HM3021 can be used as detection antibody.

General Information

Description

Dipeptidyl peptidase IV (DPP IV) is widely distributed in a number of mammalian tissues and is suggested to play an important role in various kinds of biological processes. DPP IV (CD26) is a serine-type protease that removes the amino-terminal dipeptide from peptide substrate provided that the penultimate amino acid residue is proline or alanine. DPP IV plays an important role in the reclamation of peptide nitrogen from larger peptides. The monoclonal antibody 5E8 reacts with DPP IV present on the apical surface of epithelial cells in the pancreas, small intestine, colon, and bile duct. Furthermore antibody 5E8 reacts with DPP IV on the laminar portions of the proximal renal tubule cells, and, weakly, on the glomeruli.

Aliases

Dipeptidyl peptidase IV, DPP IV

References

1. Mizuno, M et al; Monoclonal antibodies identifying antigens on distinct domains of rat hepatocytes. Liver 1987, *7*: 251
2. Hyodo, I et al; Distribution of asioalogycoprotein receptor in human hepatocellular carcinoma. Liver 1993, *13*: 80
3. Z Ariyoshi, M et al; Identification of a target antigen recognized by mouse monoclonal antibody to the bile canalicular surface of rat hepatocytes with a random phage display library. Acta Med Okayama 2002, *56*: 187

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
Robbert Zwinkels

Date
16/03/2018

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