CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	Keratin 7, Human, clone OVTL 12/30		
Catalog number	HM2128-20UG		
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.

General Information

Description

Keratins are cytoplasmic intermediate filament proteins expressed by epithelial cells. Keratin 7 (K7) is expressed in a wide range of epithelial structures in humans. K7 occurs in the columnar and glandular epithelium of the lung, cervix, breast, in bile ducts, collecting ducts in the kidney and in mesothelium, but is absent in gastrointestinal epithelium, hepatocytes, proximal and distal tubules of the kidney and myoepithelium. The antibody OVTL 12/30 is an excellent tool in the differential diagnosis of malignant cells and to determine primary tumor localization. It stains a 54 kD protein band of cytoskeletal proteins from cell lines in one and two dimensional immunoblots.

References

1. van Niekerk, C et al; Marker profile of mesothelial cells versus ovarian carcinoma cells. Int J Cancer 1989, *43*:1065
2. Ramaekers, F et al; Use of monoclonal antibodies to keratin 7 in the differential diagnosis of adenocarcinomas. Am J Pathol 1990, *136*:641
3. van Niekerk, C et al; Immunohistochemical demonstration of keratin 7 in routinely fixed paraffin-embedded human tissues. J Pathol 1991, *165*:145
4. van Niekerk, C et al; Marker profile of different phases in the transition of normal human ovarian epithelium to ovarian carcinomas. Am J Pathol 1991, *138*:455
5. van de Molengraft, F et al; OV-TL 12/30 (keratin 7 antibody) is a marker of glandular differentiation in lung cancer. Histopathology 1993, *22*:35
6. Smedts, F et al; Detection of keratin subtypes in routinely processed cervical tissue: implications for tumour classification and the study of cervix cancer aetiology. Virchows Arch 1994, *425*:145
7. Baars, J et al; The applicability of a keratin 7 monoclonal antibody in routinely Papanicolaou-stained cytologic specimens for the differential diagnosis of carcinomas. Am J Clin Pathol 1994, *101*:257

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.