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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Keratin 18. Mouse Monoclonal Antibody

BACKGROUND

Cytokeratins (CK) are intermediate filaments of epithelial cells, both in keratinizing tissue (ie., skin) and non-keratinizing cells (ie., mesothelial cells). Although not a traditional marker for endothelial cells, cytokeratins have also been found in some microvascular endothelial cells. At least 20 different cytokeratins (CK) in the molecular range of 40-70 kDa and isoelectric points of 5-8.5 can be identified using two dimensional gel electrophoresis. Biochemically, most members of the CK family fall into one of two classes, type I (acidic polypeptides) and type II (basic polypeptides). At least one member of the acidic family and one member of the basic family is expressed in all epithelial cells. Monoclonal antibodies to cytokeratin proteins can be useful markers for tumor identification and classification.

CK18 is an acidic keratin which is found primarily in non-squamous epithelia and is present in a majority of adenocarcinomas and ductal carcinomas but not in squamous cell carcinomas. CK18 exists in combination with CK8, a basic keratin. Hepatocellular carcinomas have been reportedly defined by the use of antibodies that recognize only cytokeratins 8 and 18.

IMMUNOGEN

Hybridoma produced by the fusion of splenocytes from mice immunized with human PMC-42 breast carcinoma cells and mouse myeloma cells.

POSITIVE CONTROL/TISSUE EXPRESSION

COMMENTS

Antibody detects human keratin 18 by Western blot at 45 kDa. Also detects CK18 by immunohistochemistry on frozen and paraffin-embedded tissues. Optimal concentration should be evaluated by serial dilutions.

ORDERING INFORMATION

CATALOG NUMBER

X1254M

SIZE

100 µg

FORM

Unconjugated

HOST/CLONE

Mouse Clone DC10

FORMULATION

Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION

See vial for concentration

ISOTYPE

IgG1

APPLICATIONS

Western Blot, Immunohistochemistry (Frozen & Paraffin Sections)

SPECIES REACTIVITY

Human

ACCESSION NUMBER

.

PURIFICATION

Protein A/G Chromatography

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

1. Lauerova, L., et al. "Novel monoclonal antibodies defining epitope of human cytokeratin 18 molecule." Hybridoma 1988, 7, 495-504
2. Moll, R., et al. The catalog of human cytokeratins: patterns of expression in normal epithelia, tumors and cultured cells. Cell 1982, 31, 11-24