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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Keratin 14. 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. Atleast 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.

This antibody reacts specifically with human keratin 14 by immunoblotting. In tissue sections, it provides a positive reaction on basal cells of non-keratinizing stratified epithelia, basal cells and suprabasal cells of the epidermis and gingiva, myoepithelial cells and squamous cell carcinomas.

Ordering Information

Catalog Number
X1253M

Size
100 µg

Form
Unconjugated

Host/Clone
Mouse Clone DE-SPK14

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

Concentration
See vial for concentration

Isotype
IgG2b

Applications
WB, Frozen Sections

Species Reactivity
Human

Accession Number
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Immunogen

Hybridoma produced by the fusion of splenocytes from mice immunized with synthetic peptide conjugated to KLH corresponding to the carboxy terminal sequence of human cytokeratin 14 (KVVSTHEQVLRTKN) and mouse myeloma cells.

Positive Control/Tissue Expression

Comments

Detects human cytokeratin 14 by Western blot at 50 kDa. Does not react with other cytokeratins or other proteins. Also works for immunohistochemistry using frozen tissues. Does not work with paraffin embedded tissues. Optimal concentration should be evaluated by serial dilutions.

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PURIFICATION

Protein A/G Chromatography

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

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

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

1. Moll, R., et al. The catalog of human cytokeratins: patterns of expression in normal epithelia, tumors and cultured cells. Cell 1982, 31, 11-24

2. Ivanyi, D., et al. Patterns of expression of feline cytokeratins in healthy epithelia and mammary carcinoma cells. American Journal of Veterinary Research, 1992, 53, 304-314.

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