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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 7. 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.

Cytokeratin 7 is a basic cytokeratin which is found in most glandular and transitional epithelia but not in the stratified squamous epithelia. Keratin 7 is expressed in the epithelial cells of the ovary, lung and breast but not colon or gastrointestinal tract.

IMMUNOGEN

Hybridoma produced by the fusion of splenocytes from mice immunized with purified human keratin 7 isolated from HeLa cytoskeleton and mouse myeloma cells.

POSITIVE CONTROL/TISSUE EXPRESSION

COMMENTS

Detects keratin 7 by Western blot. Detects a 54 kDa band corresponding to keratin 7. Optimal concentration should be evaluated by serial dilutions.

ORDERING INFORMATION

CATALOG NUMBER

X1258M

SIZE

100 µg

FORM

Unconjugated

HOST/CLONE

Mouse Clone C35

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 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. Neoplasma 1990, 37, 333-342
2. J. Tumor Marker Oncol. 1990, 5, 219
3. Int. J. Cancer 1988, Suppl. 3, 50-55