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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 



Fibronectin. Mouse Monoclonal Antibody

BACKGROUND

Fibronectins are a family of plasma and extracellular matrix glycoproteins that contain multiple sites for various ligands and cells. The region of fibronectin that mediates cell adhesion in a majority of cell types is in the carboxy terminal domain and involves the binding of the Arg-Gly-Asp (RGD) sequence to a specific polypeptide cell surface receptor. Although the mechanisms of fibronectin extracellular matrix assembly are not well understood, specific antibodies have been used to determine the domains involved in matrix assembly.

This antibody stains the extracellular adhesive glycoprotein of fibronectin in connective tissues and vessels. It does not recognize the soluble dimeric form of fibronectin (plasma fibronectin) but strongly stains matrix fibronectin in tissues. Animal biodistribution experiments have shown that after intravenous administration, this antibody localizes to tumor vessels where it binds to the underlying basement membrane. The antigen is not accessible in normal tissues to circulating antibody indicating that this antibody can be used to target tumor vessels specifically *in vivo*.

IMMUNOGEN

Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with T-cell lymphoma biopsy and mouse myeloma cells.

POSITIVE CONTROL/TISSUE EXPRESSION

COMMENTS

Antibody can be used for staining of human and mouse frozen and paraffin-embedded tissue sections. Optimal concentration should be evaluated by serial dilutions.

ORDERING INFORMATION

CATALOG NUMBER

X1263M

SIZE

100 µg

FORM

Unconjugated

HOST/CLONE

Mouse Clone EP5

FORMULATION

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

CONCENTRATION

See vial for concentration

ISOTYPE

IgG1

APPLICATIONS

Immunohistochemistry (frozen and paraffin)

SPECIES REACTIVITY

Human, Mouse

ACCESSION NUMBER

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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 -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

1. Van Vliet, A., et al. Distribution of fibronectin isoforms in human renal disease. *J. Pathol.* 2001, 193, 256-262.
2. Athanassiadou, P., et al., Moc-31, fibronectin and CEA in the differential diagnosis of malignant effusions: an immunocytochemical study. *Pathol. Oncol. Res.* 2000, 6, 100-103.
3. Menzin, A.W., et al. Identification of oncofetal fibronectin in patients with advanced epithelial ovarian cancer: detection in ascitic fluid and localization to primary sites and metastatic implants. *Cancer* 1998, 82, 152-158.