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Fibronectin, mouse

nordicmubio.com/product/fibronectin-mouse

Catalogue number: **FI24951**

Product Type	Polyclonal Antibody Primary Antibodies
Units	0.5 ml
Host	Rabbit
Species reactivity	Mouse
Application	ELISA Immunofluorescence Immunohistochemistry Immunohistochemistry (frozen & paraffin) Immunohistochemistry (paraffin) Radioimmunoassay

Background

This antibody may be used to identify mouse fibronectin in experimental studies on wound healing, tumour progression, and tumour invasion, etc. Fibronectins are glycoproteins, which occur as dimers of two 200 kDa subunits. They have binding domains for bacterial proteins, collagens, heparin-like molecules and fibrin. Cellular fibronectin is widely distributed in the stroma of malignant tumours.

Source

Serum from rabbits immunized with purified mouse fibronectin.

Immunogen: Purified fibronectin from murine plasma

Product

Affinity purified (ProtG) antiserum lyophilized from phosphate buffered solution (non-sterile). Contains no BSA or sodium azide! Reconstitute with 0.5 ml of sterile water and store aliquots at -20°C. For further dilution use appropriate antibody diluent, e.g. Art. No. PU002 for IHC.

Purification Method: Protein G affinity purification

Concentration: app. 5 mg/ml

Secondary Reagents: Anti-rabbit IgG-conjugates, e.g. anti-rabbit IgG:FITC (Art. No. FI-1000) or anti-rabbit IgG:DyLight488 (Art. No. DI-1488).

Specificity

Mouse fibronectin

Species Reactivity: Mouse

Applications

IFA, Immunohistochemistry on frozen and paraffin sections, ELISA, RIA

Incubation Time: IHC 60 min at RT or 2-8°C over night

Working Concentration: IHC (frozen): 1:1000, ELISA:1:20000 (OD 0.5) Optimal working dilutions should, however, be determined by antibody titration.

Pre-Treatment: After de-waxing the tissue slices they are treated with 0.2% hyaluronidase (app. 300 U/mg e.g. Art. No. HYA02-50) in TBS 15 min at 37°C. There after non-specific binding is blocked by blocking serum or 3% BSA in TBS. For peroxidase systems blocking with 1% peroxide solution in TBS for 30 min at RT is recommended.

Positive Control: Mouse skin

Storage

-20°C

Caution

These antibodies are intended for in vitro research use only. They must not be used for clinical diagnostics and not for in vivo experiments in humans or animals. It should be handled only by trained staff.

References

1. Andujar MB, Magloire H, Hartmann DJ, Ville G, Grimaud JA (1985) Early mouse molar root development: cellular changes and distribution of fibronectin, laminin and type-IV collagen. *Differentiation*. 30(2):111-22.
2. Savino W, Itoh T, Imhof BA, Dardenne M (1986) Immunohistochemical studies on the phenotype of murine and human thymic stromal cell lines. *Thymus*. 8(4):245-56.
3. Villa-Verde DM1, Lagrota-Candido JM, Vannier-Santos MA, Chammas R, Brentani RR, Savino W (1994) Extracellular matrix components of the mouse thymus microenvironment. IV. Modulation of thymic nurse cells by extracellular matrix ligands and receptors. *Eur J Immunol*. 24(3):659-64.
4. Pankov R and Yamada KM (2002) Fibronectin at a glance. *J Cell Sci*. Oct 15;115(Pt 20):3861-3
5. Labat-Robert J (2002)

Fibronectin in malignancy. Semin Cancer Biol. Jun;12(3):187-95.

Protein Reference(s)

Database Name: UniProt

Accession number: P11276 (FINC_MOUSE)

Species Accession: Mouse