Datasheet

Mouse mAb to **Fibronectin**
Clone **TV-1 (2755-8, EP-5)**
Isotype **IgG1-κ**

Source

A BALB/c mouse was immunized with a T-cell lymphoma biopsy.

Specifications

TV-1 recognizes fibronectin in frozen and paraffin sections of human, pig, mouse and rat tissues. Specifically, it stains this extracellular adhesive glycoprotein in connective tissues and blood vessels. TV-1 does not recognize the soluble dimeric form of fibronectin (plasma fibronectin) but strongly stains matrix fibronectin in tissues. Cellular fibronectin is widely distributed in the stroma of many malignant tumors.

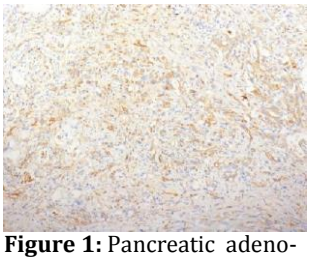

Figure 1: Pancreatic adeno-carcinoma stained with TV-1 (paraffin)

Species reactivity

Positive: human, mouse, pig, rat.

Applications

TV-1 is recommended for detection of human fibronectin by Western blot, immunofluorescence tests and immunohistochemistry.

Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections	Western blot
+	+	+	Tris/EDTA	+

Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02% sodium azide.
Stored at 4°C-8°C, shelf life is at least 24 months after purchase.

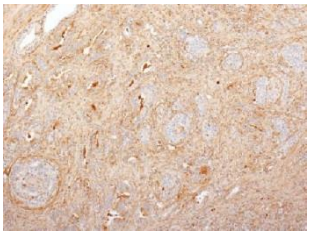

Figure 2: Pancreatic adeno-carcinoma stained with TV-1 (paraffin)

Dilution advice

- Flow cytometry (1-2 µg/million cells in 0,1 ml).
- Immunoblotting (1µg/ml for 2h at RT).
- Immunofluorescence (1-2 µg/ml).
- Immunohistology (formalin-fixed: 1-2 µg/ml for 30-60 min at RT; staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes).

Positive control

Connective tissue, blood vessels.

References

- Epstein, AL. et al. *Cancer Res.* **55(12)**: 2673-80 (1995).