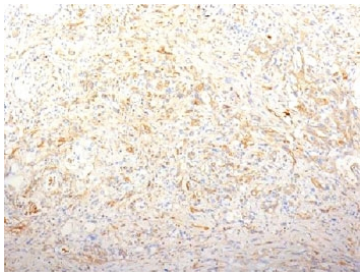
Fibronectin Antibody [clone TV-1] (V2125)

Catalog No.	Formulation	Size
V2125-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2125-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2125SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Citations (6)

Bulk quote request

Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	TV-1
Purity	Protein G affinity chromatography
Gene ID	2335
Localization	Connective tissue matrix
Applications	Flow Cytometry : 1-2ug/10^6 cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This **Fibronectin antibody** is available for research use only.



IHC testing of FFPE pancreatic adenocarcinoma and Fibronectin antibody (clone TV-1).

Description

Fibronectin is a soluble dimeric glycoprotein of 440kDa, which is present in cells, extracellular matrix, and blood. There are two types of fibronectin: soluble fibronectin which is produced by hepatocytes and found in blood plasma, and insoluble cellular fibronectin which is produced by fibroblasts in a soluble form and latter assembled into an insoluble form via fibril formation.

This antibody reacts with the cellular as well as plasma form of fibronectin. Reportedly, after iv administration, this antibody localizes to tumor vessels where it binds to the underlying basement. The Fibronectin epitope recognized by this antibody is not accessible in normal tissues to the circulating antibody indicating that it can be used to specifically target tumor vessels in vivo. Clone TV-1 fibronectin antibody is reportedly useful for delivering vasoactive agents to tumors to induce increased vascular permeability or blood flow prior to treatment with chemotherapeutic drugs or antibodies.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the Fibronectin antibody to be titered up or down for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.

Immunogen

A T-cell lymphoma biopsy was used as the immunogen for this fibronectin antibody.

Storage

Store the Fibronectin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

Cold insoluble globulin (CIG); FINC; FN1; FNZ; GFND; GFND2; LETS; Migration stimulating factor (MSF); Ugl-Y3, Fibronectin antibody

References (1)