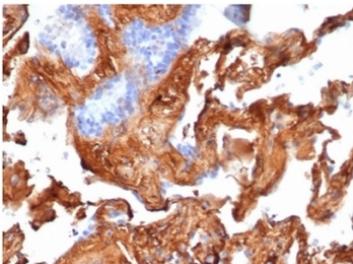


## Fibronectin 1 Antibody / FN1 [clone FN1/3569] (V9460)

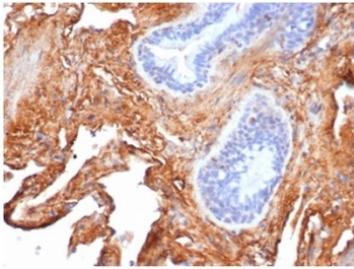
Catalog No.	Formulation	Size
V9460-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9460-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9460SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2b, kappa
<b>Clone Name</b>	FN1/3569
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P02751
<b>Localization</b>	Connective tissue matrix
<b>Applications</b>	ELISA (order BSA-free Format For Coating) : Immunohistochemistry (FFPE) : 1-2ug/ml Western Blot : 2-4ug/ml
<b>Limitations</b>	This Fibronectin 1 antibody is available for research use only.

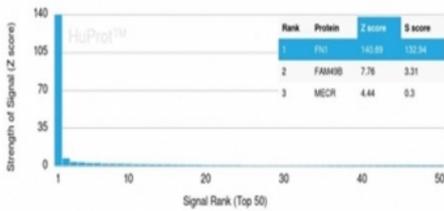


IHC staining of FFPE human lung tissue with Fibronectin 1 antibody (clone FN1/3569).  
HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

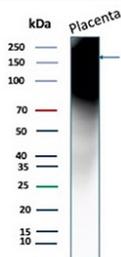


IHC staining of FFPE human lung tissue with Fibronectin 1 antibody (clone FN1/3569) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

#### Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Fibronectin 1 antibody (clone FN1/3569). These results demonstrate the foremost specificity of the FN1/3569 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



Fibronectin 1 Antibody for WB. Western blot analysis of Fibronectin (FN1) expression in human placenta tissue lysate using clone FN1/3569 mouse monoclonal antibody. A strong band is detected at approximately 220-250 kDa, consistent with the predicted molecular weight of Fibronectin. The high molecular weight signal reflects the extracellular matrix glycoprotein nature of Fibronectin, which commonly appears as a broad band due to glycosylation and dimerization.

## Description

Fibronectins are disulfide-linked, dimeric glycoproteins of ~440kDa. They possess at least four binding sites for collagen, glycosaminoglycans, transglutaminase, and a cell surface receptor. Epitope of this MAb is located in the 2nd-3rd type-III repeats of fibronectin. Fibronectins are extracellular matrix glycoproteins that are essential for embryonic development. Fibronectins are also involved in cell adhesion, tissue organization, and wound healing. Fibronectins are present in basement membranes, interstitial connective tissue matrix, and blood. Cellular fibronectin is widely distributed in the stroma of many malignant tumors. This MAb reacts with human cellular fibronectin, but not plasma fibronectin.

## Application Notes

Optimal dilution of the Fibronectin 1 antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 467-595 was used as the immunogen for the Fibronectin 1 antibody.

## Storage

Store the Fibronectin 1 antibody at 2-8oC for up to one month (with azide) or aliquot and store at -20oC or colder (without azide/longer term storage).

