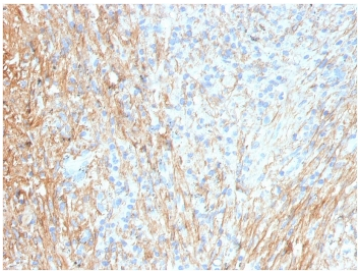
Fibronectin Antibody [clone FN1/3036] (V8542)

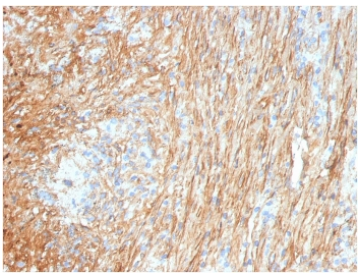
Catalog No.	Formulation	Size
V8542-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8542-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8542SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG, kappa
Clone Name	FN1/3036
Purity	Protein G affinity chromatography
UniProt	P02751
Localization	Connective tissue matrix
Applications	ELISA : order Ab without BSA for coating Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
Limitations	This Fibronectin antibody is available for research use only.



IHC staining of FFPE human lung with Fibronectin antibody (clone FN1/3036). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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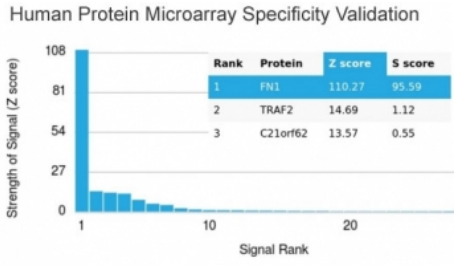
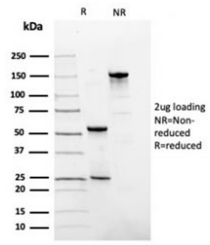


Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Fibronectin antibody (clone FN1/3036). These results demonstrate the foremost specificity of the FN1/3036 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination 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.



SDS-PAGE analysis of purified, BSA-free Fibronectin antibody (clone FN1/3036) as confirmation of integrity and purity.

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.

Researchers investigating extracellular matrix remodeling, stromal organization, and integrin-mediated adhesion pathways may also be interested in our Fibronectin 1 Antibody / Extracellular Matrix Marker page featuring validated immunohistochemistry, western blot, and protein microarray specificity data for ECM biology research.

Application Notes

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

This MAb reacts with human cellular fibronectin, but not plasma fibronectin.

Immunogen

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

Storage

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