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Datasheet for ABIN6939415

anti-Fibronectin 1 antibody (AA 467-595)

2 Images

Overview

Quantity:	100 µg
Target:	Fibronectin 1 (FN1)
Binding Specificity:	AA 467-595
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Fibronectin 1 antibody is un-conjugated
Application:	ELISA, Coating (Coat)

Product Details

Immunogen:	Recombinant fragment (around aa 467-595) of human fibronectin protein (exact sequence is proprietary)
Clone:	FN1-2949
Isotype:	IgG1 kappa
Specificity:	Fibronectins are disulfide-linked, dimeric glycoproteins of ~440 kDa. 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

Product Details

human cellular fibronectin, but not plasma fibronectin.

Purification: Purified by Protein A/G

Target Details

Target: Fibronectin 1 (FN1)

Alternative Name: FN1 ([FN1 Products](#))

Molecular Weight: 220kDa (monomer), 440kDa (dimer)

Gene ID: 2335

UniProt: [P02751](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Carbohydrate Homeostasis](#), [Autophagy](#)

Application Details

Application Notes: Positive Control: SW156 cells or Kidney.
Known Application: ELISA (For coating, order Ab without BSA), Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

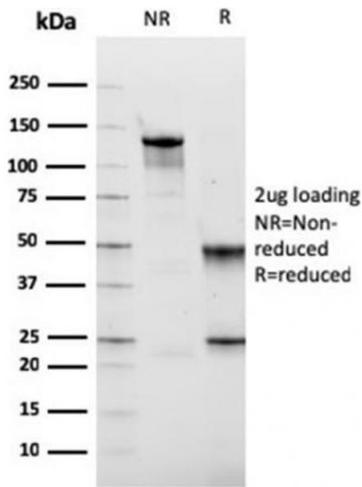
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

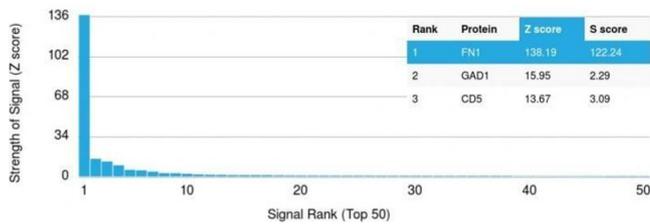
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Fibronectin Mouse Monoclonal Antibody (FN1/2949). Confirmation of Integrity and Purity of Antibody.



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using Fibronectin Mouse Monoclonal Antibody (FN1/2949). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.