Fibronectin (A-11): sc-271098

**BACKGROUND**

Fibronectin is an extracellular matrix glycoprotein present on most cell surfaces, in extracellular fluids and in plasma. A high molecular weight heterodimeric protein, it was originally discovered as a protein missing from the surfaces of virus-transformed cells, and it has been shown to be involved in various functions including cell adhesion, cell motility and wound healing. Alternative splicing and glycosylation give rise to several different forms of Fibronectin, some of which exhibit restricted tissue distribution or association with malignancies. It has been shown that myofibroblast phenotype formation correlates with the occurrence of glycosylated Fibronectin and Fibronectin splice variants in Dupuytren's disease.

**CHROMOSOMAL LOCATION**

Genetic locus: FN1 (human) mapping to 2q35; Fn1 (mouse) mapping to 1 C3.

**SOURCE**

Fibronectin (A-11) is a mouse monoclonal antibody raised against amino acids 2087-2386 mapping at the C-terminus of Fibronectin of human origin.

**PRODUCT**

Each vial contains 200 µg IgGκ Kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Fibronectin (A-11) is available conjugated to agarose (sc-271098 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-271098 HRP), 200 µg/ml, for WB, IHC (sc-271098 PE), or ELISA; to either phycoerythrin (sc-271098 PE), fluorescein (sc-271098 FITC), Alexa Fluor® 488 (sc-271098 AF488), Alexa Fluor® 568 (sc-271098 AF568), Alexa Fluor® 594 (sc-271098 AF594) or Alexa Fluor® 647 (sc-271098 AF647), 200 µg/ml, for WB (RGB), IF, IHC and FCM; and to either Alexa Fluor® 680 (sc-271098 AF680) or Alexa Fluor® 790 (sc-271098 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

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**APPLICATIONS**

Fibronectin (A-11) is recommended for detection of Fibronectin of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation (1-2 µg per 100-500 µg of total protein 1 ml of cell lysate), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for Fibronectin siRNA (h): sc-29315, Fibronectin siRNA (m): sc-35371, Fibronectin shRNA Plasmid (h): sc-29315-Sh, Fibronectin shRNA Plasmid (m): sc-35371-Sh, Fibronectin shRNA (h) Lentiviral Particles: sc-29315-V and Fibronectin shRNA (m) Lentiviral Particles: sc-35371-V.

Molecular Weight of Fibronectin isoforms: 220-272 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227, U-87 MG cell lysate: sc-2411 or HT-1080 whole cell lysate: sc-364183.

**STORAGE**

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**DATA**

**SELECT PRODUCT CITATIONS**


**RESEARCH USE**

For research use only, not for use in diagnostic procedures.