

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Fibronectin in Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # P1H11
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human plasma-derived Fibronectin
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

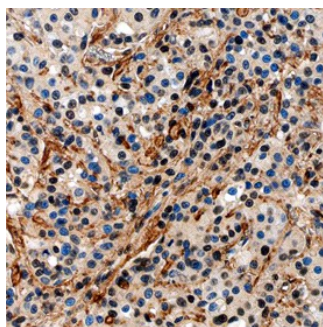
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	Human Fibronectin (Catalog # 1918-FN)
Immunohistochemistry	8-25 µg/mL	See Below
Simple Western	20 µg/mL	See Below
Immunoprecipitation	Yu, H. <i>et al.</i> (2004) Mol. Carcinog. 41 :85.	

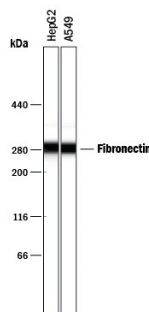
DATA

Immunohistochemistry



Fibronectin in Human Breast Cancer Tissue. Fibronectin was detected in immersion fixed paraffin-embedded sections of human breast cancer tissue using Mouse Anti-Human Fibronectin Monoclonal Antibody (Catalog # MAB1918) at 15 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Specific staining was localized to connective tissue and fibroblasts. View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

Simple Western



Detection of Human Fibronectin by Simple Western™. Simple Western lane view shows lysates of HepG2 human hepatocellular carcinoma cell line and A549 human lung carcinoma cell line, loaded at 0.2 mg/mL. A specific band was detected for Fibronectin at approximately 285 kDa (as indicated) using 20 µg/mL of Mouse Anti-Human Fibronectin Monoclonal Antibody (Catalog # MAB1918). This experiment was conducted under reducing conditions and using the 66-440 kDa separation system.



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Fibronectin is an extracellular matrix component that exists in different alternately spliced isoforms. Fibronectin mediates cell adhesion in its insoluble state but not as a soluble molecule. Fibronectins play a role in cell adhesion, migration, differentiation, and specific gene expression.