Human Fibronectin Antibody

Monoclonal Mouse IgG_1 Clone # 960642

Catalog Number: MAB19182

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Fibronectin in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG_1 Clone # 960642
Purification	IgM-specific Affinity-purified from hybridoma culture supernatant
Immunogen	*E.coli*-derived recombinant human Fibronectin Asn631-Pro705 Accession # P02751
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.

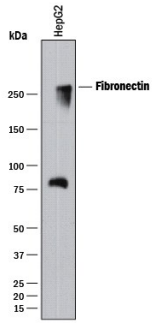
APPLICATIONS

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	0.1 µg/mL	See Below
Immunocytochemistry	3-25 µg/mL	See Below
Immunohistochemistry	5-25 µg/mL	See Below

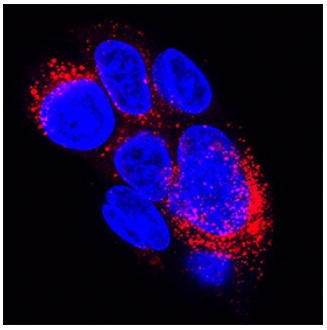
DATA

Western Blot



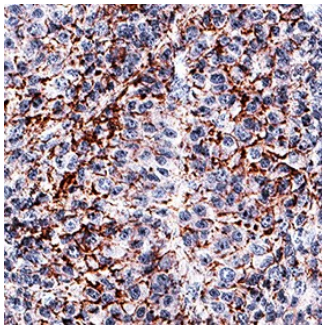
Detection of Human Fibronectin by Western Blot. Western blot shows lysates of HepG2 human hepatocellular carcinoma cell line. PVDF membrane was probed with 0.1 µg/mL of Mouse Anti-Human Fibronectin Monoclonal Antibody (Catalog # MAB19182) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for Fibronectin at approximately 260 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Immunocytochemistry



Fibronectin in HepG2 Human Cell Line. Fibronectin was detected in immersion fixed HepG2 human hepatocellular carcinoma cell line treated with monensin using Mouse Anti-Human Fibronectin Monoclonal Antibody (Catalog # MAB19182) at 3 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm (punctate). View our protocol for Fluorescent ICC Staining of Cells on Coverslips.

Immunohistochemistry



Fibronectin in Human Liver Cancer Tissue. Fibronectin was detected in immersion fixed paraffin-embedded sections of human liver cancer tissue using Mouse Anti-Human Fibronectin Monoclonal Antibody (Catalog # MAB19182) at 5 µg/mL for 1 hour at room temperature followed by incubation with the Anti-Mouse IgG VisUCyte™ HRP Polymer Antibody (Catalog # VC001). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm and plasma membrane in tumor cells. View our protocol for IHC Staining with VisUCyte HRP Polymer Detection Reagents.

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.** ● 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.

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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.

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