Human Fibronectin Antibody
Monoclonal Mouse IgG1, Clone # P1H11
Catalog Number: MAB1918

DESCRIPTION
Species Reactivity Human
Specificity Detects human Fibronectin in Western blots.
Source Monoclonal Mouse IgG1, 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.

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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Recommended Concentration</th>
<th>Sample</th>
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</thead>
<tbody>
<tr>
<td>Western Blot</td>
<td>1 μg/mL</td>
<td>Human Fibronectin (Catalog # 1918-FN)</td>
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<tr>
<td>Immunohistochemistry</td>
<td>8-25 μg/mL</td>
<td>See Below</td>
</tr>
<tr>
<td>Simple Western</td>
<td>20 μg/mL</td>
<td>See Below</td>
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</tbody>
</table>

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.
Stability & Storage *Small pack size (-SP) is supplied as a 0.2 μm filtered solution in PBS.
- 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.