CELL LAB Mouse Anti-Fibrillin

For Laboratory Use Only

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Form</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>731951</td>
<td>Purified (UNLB) Antibody</td>
<td>0.2 mg</td>
</tr>
<tr>
<td>731952</td>
<td>Fluorescein (FITC) Conjugate</td>
<td>0.2 mg</td>
</tr>
<tr>
<td>731953</td>
<td>Biotin (BIOT) Conjugate</td>
<td>0.2 mg</td>
</tr>
</tbody>
</table>

DESCRIPTION
Clone: 11C1.3
Immunogen: Rat (Fisher) IgG2ακ
Isotype: Mouse IgG1κ
Specificity: Human and bovine fibrillin (Mr 350 kD); other species not tested

The fibrillins are extracellular matrix glycoproteins which occur as a major component of a subset of connective tissue microfibrils. These microfibrils have a beaded appearance and a cross-sectional diameter of 10-12 nm. In elastic tissues, these structures are thought to provide the scaffold onto which elastin is assembled to form elastic fibers, although their function in non-elastic tissues is unclear.¹ In immunohistochemical staining of paraformaldehyde-fixed human skin, monoclonal antibody 11C1.3 labels the elastic framework and more specifically the oxytalantic network close to the epidermis. The antibody also exhibits discrete staining of normal fibroblasts in culture and of extracellular (elastin) fibrils in a variety of tissues.²,³ There is an aberrant expression of fibrillin in Marfan syndrome.⁴

APPLICATIONS
- Immunohistochemistry²
- Immunofluorescence²
- Western blotting²
- Electron microscopic immunolocalization²

CHARACTERIZATION
To ensure lot-to-lot consistency, each batch of product is tested to conform with characteristics of a standard reference reagent using immunohistochemistry.

WORKING DILUTIONS
Immunohistochemistry: Purified (UNLB) Antibody 1:50-1:100 (30-60 min at RT)
BIOT Conjugate 1:50-1:100 (30-60 min at RT)
FITC Conjugates 1:50-1:100 (30-60 min at RT)
Western Blotting: BIOT Conjugate ≤1 μg/mL
Purified (UNLB) Antibody ≤1 μg/mL
Other Applications: Since applications vary, determine the optimum working dilution of the product that is appropriate for your specific needs.

HANDLING AND STORAGE
- The purified (UNLB) antibody is supplied as 0.2 mg of purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added.
- The fluorescein (FITC) conjugate is supplied as 0.2 mg in 1.0 mL of PBS/NaN₃.
The biotin (BIOT) conjugate is supplied as 0.2 mg in 1.0 mL of PBS/NaNO₃.
- Protect fluorochrome-conjugated forms from light. Do not freeze.
- Reagent is stable until the expiration date on the vial when stored at 2-8°C.

**STATEMENT OF WARNINGS**
1. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
2. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
3. Do not use reagent beyond the expiration date on the vial label.
4. Minimize exposure of reagent to light during storage or incubation.
5. Avoid microbial contamination of reagent or erroneous results may occur.
6. Use Good Laboratory Practice (GLP) when handling this reagent.
7. Harmful if swallowed.
8. After contact with skin, wash immediately with plenty of water.
9. Contains sodium azide. Sodium azide under acidic conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, immediately wash excessively with water.

**REFERENCES**

**TRADEMARKS**
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For additional information, or if damaged product is received, call Beckman Coulter Customer Service at 800-526-7694 (USA or Canada) or contact your local Beckman Coulter Representative.

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