

Monoclonal Antibody to Fibrillin-1 - FITC

Alternate names: FBN, FBN1

Catalog No.: AM08022FC-N

Quantity: 0.2 mg

Concentration: 0.2 mg/ml

Background: 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.(Ref.1) In Immunohistochemical staining of paraformaldehyde-fixed human skin, mAb 11C1.3 labels the elastic framework and more specifically the oxytalan 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.(Ref.2,3) There is an aberrant expression of fibrillin in Marfan syndrome.(Ref.4)

Uniprot ID: [P35555](#)

NCBI: [NP_000129.3](#)

GeneID: [2200](#)

Host / Isotype: Mouse / IgG1

Clone: 11C1.3

Immunogen: Microfibrils from zonular apparatus of bovine eye.

Format: **State:** Liquid purified Ig fraction.

Buffer System: PBS containing 0.09% Sodium Azide as preservative.

Label: FITC – Fluorescein Isothiocyanate Isomer 1

Applications: Immunohistochemistry: 1/50-1/100 (30-60 min at RT). (See Ref.2)

Immunofluorescence. (See Ref.2)

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody recognises Fibrillin (Mr 350 kDa).

Species: Human and Bovine.

Other species not tested.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

- General Readings:**
1. Sakai, L.Y., et al. 1986. J. Cell. Biol. 103:2499.
 2. Maier, A., et al. 1994. Investigative Ophthalmology and Visual Science 35:3103.
 3. Wright, D.W., et al. 1994. Matrix Biol. 14:41.
 4. Godfrey, M., et al. 1995. J. Amer. Acad. Dermatol. 56:1287.

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com