

Product datasheet for **AM08022FC-N**

Fibrillin 1 (FBN1) Mouse Monoclonal Antibody [Clone ID: 11C1.3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	11C1.3
Applications:	IF, IHC
Recommended Dilution:	Immunohistochemistry: 1/50-1/100 (30-60 min at RT). (See Ref.2) Immunofluorescence. (See Ref.2)
Reactivity:	Bovine, Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Microfibrils from zonular apparatus of bovine eye.
Specificity:	This antibody recognises Fibrillin (Mr 350 kDa).
Formulation:	PBS containing 0.09% Sodium Azide as preservative. Label: FITC State: Liquid purified Ig fraction. Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Conjugation:	FITC
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	fibrillin 1
Database Link:	Entrez Gene 2200 Human P35555



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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)

Synonyms:

FBN1, FBN