

Monoclonal Antibody to Collagen type IV - FITC

Alternate names:	COL4A1
Catalog No.:	AM08027FC-N
Quantity:	0.1 mg
Concentration:	0.5 mg/ml
Background:	Collagen IV is a major constituent of the basement membranes along with laminins, proteoglycans and enactins. It is a multimeric protein composed of 3 alpha subunits. These subunits are encoded by 6 different genes, alpha 1 through alpha 6, each of which can form a triple helix structure with 2 other subunits to form type IV collagen. It can form insoluble fibers with high tensile strength. Collagen IV is useful in detecting the loss of parts of basement membranes in carcinomas.
Uniprot ID:	P02462
NCBI:	NP_001836
GeneID:	1282
Host / Isotype:	Mouse / IgG1
Clone:	2F11
Format:	State: Liquid purified Ig fraction. Buffer System: PBS containing 0.09% Sodium Azide as preservative. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	ELISA: 1/2,000-1/8,000. Immunohistochemistry on Frozen Sections: < / = 2 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts with Human Type IV Collagen. Species: Human. 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.