

Product datasheet for **AM08027FC-N**

Collagen IV (COL4A1) Mouse Monoclonal Antibody [Clone ID: 2F11]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | 2F11 |
| Applications: | ELISA, IHC |
| Recommended Dilution: | ELISA: 1/2,000-1/8,000. Immunohistochemistry on Frozen Sections: < / = 2 µg/ml. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Specificity: | This antibody reacts with Human Type IV Collagen. |
| 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: | Homo sapiens collagen type IV alpha 1 (COL4A1), transcript variant 1 |
| Database Link: | Entrez Gene 1282 Human P02462 |



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| 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. |
| Synonyms: | COL4A1 |
| Protein Pathways: | ECM-receptor interaction, Focal adhesion, Pathways in cancer, Small cell lung cancer |