



Collagen IV (4D1)

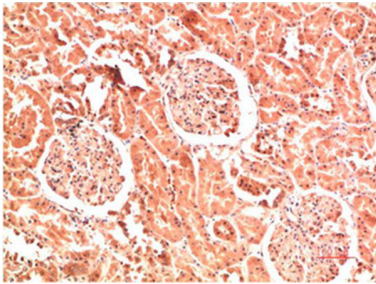
Mouse monoclonal Antibody

#55071

Catalog Number: 55071**Amount:** 100µg/100µl**Swiss-Prot No. :** P02462**GENE ID:** 1282**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of Collagen IV and does not cross-react with related proteins**Alternative Names:** Collagen alpha-1(IV) chain [Cleaved into: Arresten]**Reactivity:** Human, Mouse, Rat**Applications:**

Predicted MW: 161kd

IHC: 1:50-200



Immunohistochemical analysis of paraffin-embedded Human Kidney

Tissue using Collagen IV Mouse mAb

Background: COL4A1 Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen. Belongs to the type IV collagen family. There are six type IV collagen isoforms, alpha 1(IV)-alpha 6(IV), each of which can form a triple helix structure with 2 other chains to generate type IV collagen network. 2 isoforms of the human protein are produced by alternative splicing.