



Collagen IV (8E5)

Mouse monoclonal Antibody

#55074

**Catalog Number:** 55074**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 Skin

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.