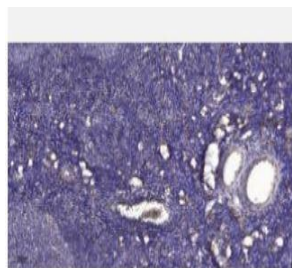


## Collagen IV mouse Monoclonal Antibody(5E10)

<b>Catalog No.</b>	IMB0168
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	IHC-p;
<b>Gene Name</b>	COL4A1
<b>Protein Name</b>	Collagen alpha-1(IV) chain [Cleaved into: Arresten]
<b>Human Gene Id</b>	1282
<b>Swiss-Prot</b>	p02462
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse
<b>Dilution</b>	IHC-p: 1:50-300
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration</b>	1 mg/ml
<b>Storage&amp;Stability</b>	-20°C/1 year
<b>Background</b>	This gene encodes a type IV collagen alpha protein. Type IV collagen proteins are integral components of basement membranes. This gene shares a bidirectional promoter with a paralogous gene on the opposite strand. The protein consists of an amino-terminal 7S domain, a triple-helix forming collagenous domain, and a carboxy-terminal non-collagenous domain. It functions as part of a heterotrimer and interacts with other extracellular matrix components such as perlecan, proteoglycans, and laminins. In addition, proteolytic cleavage of the non-collagenous carboxy-terminal domain results in a biologically active fragment known as arresten, which has anti-angiogenic and tumor suppressor properties. Mutations in this gene cause porencephaly, cerebrovascular disease, and renal and muscular defects. Alternative splicing results in multiple transcript variants.
<b>Subcellular Location.</b>	Secreted, extracellular space, extracellular matrix, basement membrane.
<b>BiowMW</b>	-

### Products Images:



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA, pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 30min).