

# Collagen IV Mouse Monoclonal Antibody(5E10)

## Catalog No: RA10215

### Basic Information

Host species	Mouse
Applications	IHC
Species Cross-Reactivity	H,M,R
Specificity	The antibody can detects endogenous Collagen IV proteins.
Recommended dilutions	IHC: 1:100-200 Optimal dilutions should be determined by the end user.

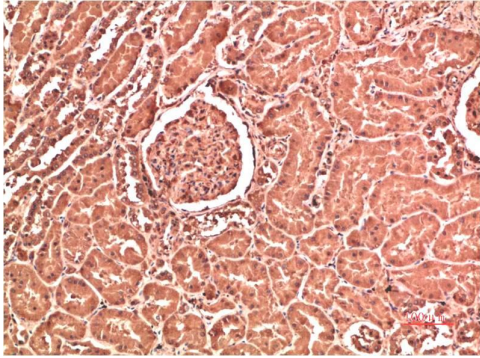
### Applications

Formulation	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Monoclonal

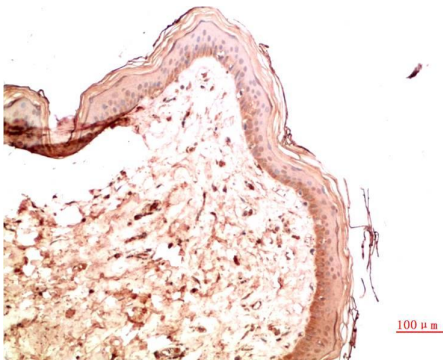
### Background

Alternative Names	BSVD, COL4A1, collagen type IV alpha 1
Observed band	161
Human Gene ID	1282
Human Swiss-Prot Number	p02462
Background	Collagens are fibrous, extracellular matrix proteins with high tensile strength and are the major components of connective tissue, such as tendons and cartilage. All collagens contain a triple helix domain and frequently show lateral self-association in order to form complex connective tissues. Several collagens also play a role in cell adhesion, important for maintaining normal tissue architecture and function.

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded Human Kidney Tissue using Collagen IV Mouse mAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Human Skin Tissue using Collagen IV Mouse mAb diluted at 1:200.