

Collagen Type IV (AB1318) mouse mAb

V0274

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse;

Applications

- IHC; WB; IF; ELISA

MW

- 160 kDa (calculated)
- 180; 50; 37 kDa (observed)

Isotype

- IgG2b, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1318

Immunogen A synthetic peptide corresponding to the amino acid region 1600 - 1669 of the human Collagen Type IV protein.

Specificity The antibody can specifically recognize human Collagen Type IV protein, collagen types I, II, III and V do not respond to the antibody.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name COL4A1

Protein Name Collagen Type IV

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P02462	1282

Background Type IV collagen is the main component of basement membrane and plays an important role in cell adhesion, migration, differentiation and growth. It exists in the basement membrane of many tissues and organs, such as skin, muscle, spleen, lung, kidney, placenta and lymph nodes, but the basement membrane of corneal epithelium is negative. It is mainly used to study the distribution of basement membrane in various benign and malignant tissues.