

Collagen Type I A1 (AB1313) mouse mAb

W0470

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse; Rat;

Applications

- IHC; WB; IF; ELISA

MW

- 220 kDa (calculated)
- 125105 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 AB1313

Immunogen A synthetic peptide corresponding to the amino acid region 1200 - 1464 of the human Collagen Type I A1 protein.

Specificity The antibody can specifically recognize human Collagen Type I alpha 1 protein, can not recognize Collagen Type I alpha 2, collagen types II, III, IV 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 COL1A1

Protein Name Collagen Type I A1

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P02452	1277

Background Type I collagen is an important component of extracellular matrix, which is mainly distributed in cornea, skin, bone, tendon and other tissues. It is mainly used to study the distribution of connective tissue proteins, epithelial / mesothelial interaction and basement membrane.