

Collagen Type II (AB1315) mouse mAb

W0333

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

- 141 kDa (calculated)
- 200 kDa (observed)

Isotype

- IgG1, 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	AB1315
Immunogen	A synthetic peptide corresponding to the amino acid region 1200 - 1300 of the human Collagen Type II protein.
Specificity	The antibody can specifically recognize human Collagen Type II protein, collagen types I, 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	COL2A1		
Protein Name	Collagen Type II		
Database Link	Organism	Swiss Prot.	Gene ID
	Human	P02458	1280
Background	Type II collagen exists specifically in cartilage and plays an important role in bone development, linear growth and compressive capacity of cartilage.		