

Collagen Type II (AB1447) mouse mAb

V0273

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

- 141 kDa (calculated)
- kDa (observed)

Isotype

- IgG2b, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:50-1:200

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 AB1447

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.