

# COL2A1 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP02337-1**

## Capture Antibody Information

<b>Catalog Number:</b> 86139-4-PBS	<b>Clone ID:</b> 250506C3	<b>Conjugate:</b> Unconjugated
<b>Host:</b> Rabbit	<b>Reactivity:</b> human	<b>Full name:</b> collagen, type II, alpha 1
<b>Isotype:</b> IgG	<b>GenBank:</b> BC007252	<b>Gene ID:</b> 1280
<b>Purification Method:</b> Protein A purification	<b>Immunogen Catalog Number:</b> Ag29265	

## Detection Antibody Information

<b>Catalog Number:</b> 86139-3-PBS	<b>Clone ID:</b> 250506G4	<b>Conjugate:</b> Unconjugated
<b>Host:</b> Rabbit	<b>Reactivity:</b> human	<b>Full name:</b> collagen, type II, alpha 1
<b>Isotype:</b> IgG	<b>GenBank:</b> BC007252	<b>Gene ID:</b> 1280
<b>Purification Method:</b> Protein A purification	<b>Immunogen Catalog Number:</b> Ag29265	

## Applications

<b>Tested Applications:</b> Sandwich ELISA	<b>Range:</b> 0.625-40 ng/mL (Sandwich ELISA)	<b>Recommended Dilutions:</b> It is recommended that this reagent should be titrated in each testing system to obtain optimal results.
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## Product Information

MP02337-1 targets COL2A1 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: COL2A1 Recombinant antibody, PBS Only (Capture) 86139-4-PBS (250506C3). 100 µg. Concentration 1 mg/mL.

Detection antibody: COL2A1 Recombinant antibody, PBS Only (Detector) 86139-3-PBS (250506G4). 100 µg. Concentration 1 mg/mL.

Unconjugated rabbit recombinant monoclonal antibody pair in PBS only storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

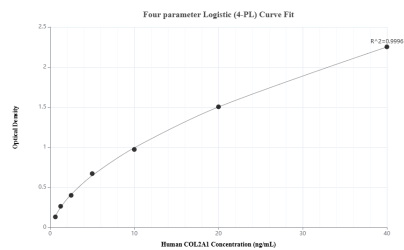
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

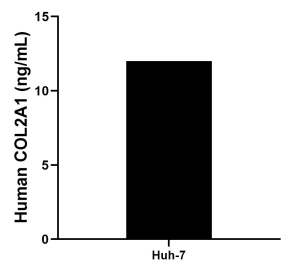
## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**  
**Storage buffer:**  
PBS only

## Selected Validation Data



Sandwich ELISA standard curve of MP02337-1, Human COL2A1 Recombinant Matched Antibody Pair - PBS only. 86139-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag29265. 86139-3-PBS was HRP conjugated as the detection antibody. Range: 0.625-40 ng/mL



The mean COL2A1 concentration was determined to be 12.00 ng/mL in Huh-7 cell extract based on a 1.4 mg/mL extract load.