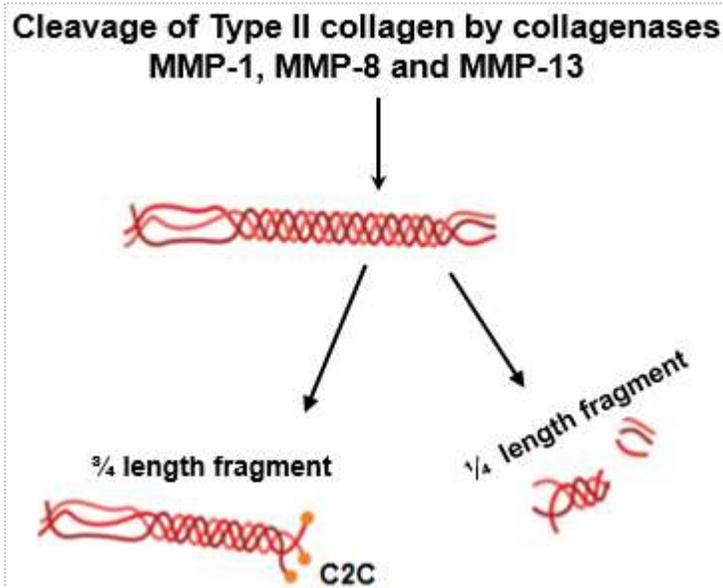


## Collagen Type II Cleavage Assay (C2C ELISA)

**Intended use:**


The C2C ELISA kit measures cartilage degradation. This assay with specific monoclonal antibody to type II collagen primary cleavage site recognizes the  $\alpha$ -chain fragments containing an approximate 9 amino acid sequence from the carboxy terminus of the three-quarter length piece produced by collagenase cleavage (MMP-1, MMP-8, MMP-13) of type II collagen.

**Method:**

ELISA competitive inhibition, 96 well

**Sample type:**

Optimized for serum (may also be used for synovial fluid, urine, cell culture, tissues)

**Sample volume:**

25  $\mu$ L per replicate

**Calibration range:**

10 – 1000 ng/mL

**Incubation time:**

2.5 hours

**Species:**

Optimized for human (may also be used for various animal species)

**Cross-reaction:**

No cross-reaction with uncleaved triple-helical and heat-denatured human collagen types I and II and uncleaved alpha-chains of collagen types I and II. No cross-reaction with correspondingly cleaved alpha-chains of collagen type I

**IBEX Pharmaceuticals Inc.**