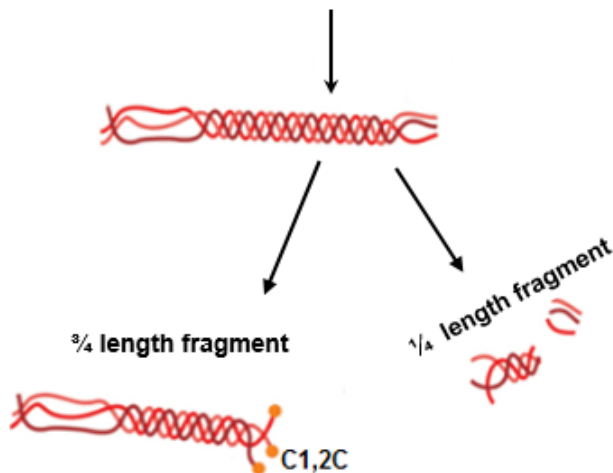


# Collagen Type I and II Cleavage Assay (C1,2C ELISA)

Cat. # 60-1002-001

## Cleavage of Type I and II collagen by collagenases MMP-1, MMP-8 and MMP-13



## Intended use:

The C1,2C ELISA kit measures cartilage degradation. This assay with specific polyclonal antibody recognizes the  $\alpha$ -chain fragments containing an approximate 8 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. C1,2C antibodies demonstrate affinity for similarly cleaved human type I collagen  $\alpha$ -chains.

<b>Method:</b>	ELISA competitive inhibition, 96 wells
<b>Sample type:</b>	Optimized for serum (may also be used for synovial fluid, urine, cell culture, tissues)
<b>Sample volume:</b>	25 $\mu$ L per replicate
<b>Calibration range:</b>	0.03 – 10 $\mu$ g/mL
<b>Incubation time:</b>	2.5 hours
<b>Species:</b>	Optimized for human (may also be used for various animal species)
<b>Cross-reaction:</b>	Negligible cross-reaction with uncleaved triple-helical and heat-denatured human types I and II collagen and intact or cleaved type II collagen alpha-chains

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