

# Technical Information

## **C1,2C**

### **Collagen resorption**

**C-Terminus of 3/4 peptide, generated through cleavage of types I and II collagens by collagenases**

Cat. No.:	60-1002-001
Tests:	96
Method:	<b>ELISA</b>
Range:	0.03 - 10 µg/ml
Incubation time:	2.5 hours
Sample volume:	25 µl (dilute serum 1:2)
Sample type:	Serum (also used for plasma, urine, cell culture, tissue, synovial fluid, cartilage extracts, bronchoalveolar lavage)
Sample preparation:	Serum samples should be aliquoted, immediately frozen and stored at -70 °C. Avoid repeated freezing/thawing of samples. Serum: stable > 1 year at -70 °C.
Species:	Human (also used for dog, bovine, horse, mouse, rhesus macaque, rat, guinea pig, sheep). The use of rabbit samples may lead to high background interference.
Cross reaction:	Negligible cross-reaction with uncleaved triple-helical and heat-denatured human collagen types I and II and intact or cleaved alpha-chains of collagen type-II.

#### Intended use:

C1,2C as a biomarker is used in the investigation of the progression of rheumatoid arthritis, osteoarthritis, ankylosing spondylitis, reflecting cartilage, ligament, skin, synovium/capsule, lung and bone damage or inflammation or repair, in human as well as some animal models. Increased serum C1,2C concentrations give an indication of a rapid progressive joint damage in RA.

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