

What's
new?

New Release : MMP-3 ELISA KIT

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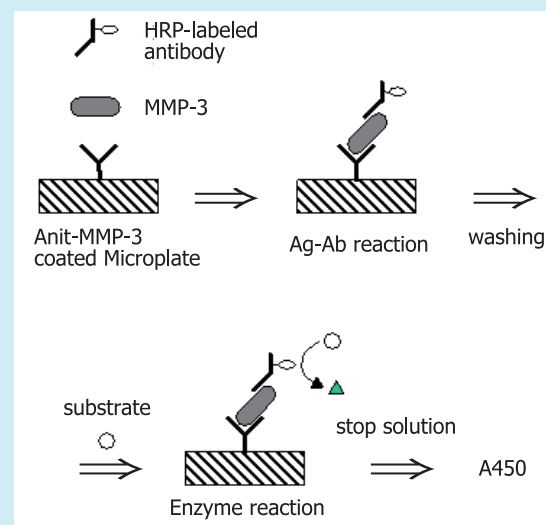
The Best Monitoring Biomarker in Rheumatoid Arthritis (RA)

◆ Introduction

Matrix Metalloproteinase-3 (MMP-3) is a useful marker to evaluate the prognosis of joint destruction rheumatoid arthritis (RA) in Japan. They are expressed in synovial tissues and involved in cartilage destruction in rheumatoid arthritis (RA) and osteoarthritis (OA), and moreover capable of degrading many components of the connective tissue matrix including proteoglycan, type IV and IX collagens, laminin and fibronectin. Its activity is regulated at the level of gene expression and also post-translationally in the extracellular space.

Active MMP-3 is inhibited by Tissue Inhibitors of Matrix metalloProteinases (TIMPs) and they are thought to play a major role in natural processes of tissue remodeling and in pathological states, such as OA and RA.

◆ Principle of the assay



- One-step Sandwich Enzyme Immunoassay
- Two different monoclonal Antibodies are used
- High specificity
(HRP was conjugated to hinge-region SH group)
- Assay Range : 12.5 - 800 ng/mL

The other related Marker Products in RA

cat#	product name	host	application
YC010	Anti IL-1 α (Rat) Serum 50 uL	Rabbit	ELISA / WB
YC011	Anti IL-1 α (Rat) Serum 50 uL	Goat	ELISA / WB
YC020	Anti IL-1 β (Rat) Serum 50 uL	Rabbit	ELISA / WB
YC021	Anti IL-1 β (Rat) Serum 50 uL	Goat	ELISA / WB
YC022	Anti IL-1 β (Rat) Monoclonal Antibody (Isotype : IgG1/k) 50 uL	Monoclonal	ELISA / WB
YC030	Anti TNF- α (Rat) Serum 50 uL	Rabbit	ELISA / WB
YC031	Anti TNF- α (Rat) Serum 50 uL	Goat	ELISA / WB
YC032	Anti TNF- α (Rat) Monoclonal Antibody (Isotype : IgG1/k) 50 uL	Monoclonal	ELISA / WB

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