Rat MMP-8 Antibody Pair Set

Catalog No. E-KAB-0636 **Applications** ELISA
Synonyms MMP8;CLG1;HNC;PMNL-CL;Neutrophil Collagenase

Kit components & Storage

Title	Specifications	Storage
Rat MMP-8 Capture Antibody	1 vial, 100 μg	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Rat MMP-8 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze/thaw cycles.

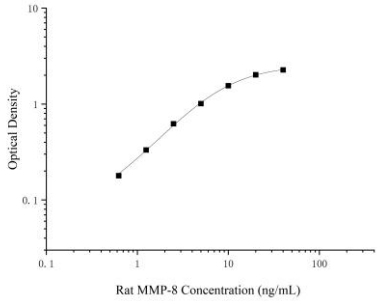
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0636)	
		Rat MMP-8 Capture Antibody	Rat MMP-8 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Rat MMP-8 protien	Recombinant Rat MMP-8 protien
	Swissprot	O88766	
Product details	Reactivity	Rat	Rat
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Rat MMP-8 in ELISAs.	

Applications

Rat MMP-8 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Rat MMP-8 Capture Antibody	
ELISA Detection	1:1000-1:10000	Rat MMP-8 Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

This gene encodes a member of the matrix metalloproteinase (MMP) family of proteins. These proteins are involved in the breakdown of extracellular matrix in embryonic development , reproduction , and tissue remodeling , as well as in disease processes , such as arthritis and metastasis. Proteolysis at different sites on this protein results in multiple active forms of the enzyme with distinct N-termini. This protein functions in the degradation of type I , II and III collagens. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. Alternative splicing results in multiple transcript variants.