

Human MMP-8 Antibody Pair Set

| | | | |
|--------------------|--|---------------------|-------|
| Catalog No. | E-KAB-0055 | Applications | ELISA |
| Synonyms | MMP8, CLG1, HNC, PMNL-CL, Neutrophil Collagenase | | |

Kit components & Storage

| Title | Specifications | Storage |
|---|----------------|--|
| Human MMP-8 Capture Antibody | 1 vial, 100 µg | Store at -20℃ for one year. Avoid freeze / thaw cycles. |
| Human 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.

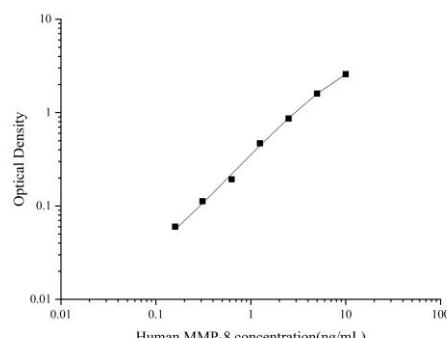
Product Information

| Items | | Characteristic (E-KAB-0055) | |
|-----------------------|---------------|--|---|
| | | Human MMP-8 Capture Antibody | Human MMP-8 Detection Antibody (Biotin) |
| Immunogen Information | Immunogen | Recombinant Human MMP-8 protein | Recombinant Human MMP-8 protein |
| | Swissprot | P22894 | |
| Product details | Reactivity | Human | Human |
| | Host | Rabbit | Rabbit |
| | Conjugation | Unconjugated | Biotin |
| | Concentration | 0.5mg/mL | / |
| | Buffer | PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4 | PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4 |
| | Purify | Protein A | Protein A |
| | Specificity | Detects Human MMP-8 in ELISAs. | |

For Research Use Only

Applications

Human MMP-8 Sandwich ELISA Assay:

| | Recommended Concentration/Dilution | Reagent | Images | | | | | | | | | | | | | | | | |
|-----------------------------------|------------------------------------|---|---|-----------------------------------|-----------------|-----|------|-----|-----|-----|-----|---|-----|---|-----|---|-----|----|-----|
| ELISA Capture | 0.5-4μg/mL | Human MMP-8 Capture Antibody |  <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Human MMP-8 concentration (ng/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>0.1</td><td>0.05</td></tr><tr><td>0.2</td><td>0.1</td></tr><tr><td>0.5</td><td>0.2</td></tr><tr><td>1</td><td>0.4</td></tr><tr><td>2</td><td>0.8</td></tr><tr><td>5</td><td>1.5</td></tr><tr><td>10</td><td>3.0</td></tr></tbody></table> | Human MMP-8 concentration (ng/mL) | Optical Density | 0.1 | 0.05 | 0.2 | 0.1 | 0.5 | 0.2 | 1 | 0.4 | 2 | 0.8 | 5 | 1.5 | 10 | 3.0 |
| Human MMP-8 concentration (ng/mL) | Optical Density | | | | | | | | | | | | | | | | | | |
| 0.1 | 0.05 | | | | | | | | | | | | | | | | | | |
| 0.2 | 0.1 | | | | | | | | | | | | | | | | | | |
| 0.5 | 0.2 | | | | | | | | | | | | | | | | | | |
| 1 | 0.4 | | | | | | | | | | | | | | | | | | |
| 2 | 0.8 | | | | | | | | | | | | | | | | | | |
| 5 | 1.5 | | | | | | | | | | | | | | | | | | |
| 10 | 3.0 | | | | | | | | | | | | | | | | | | |
| ELISA Detection | 1:1000-1:10000 | Human MMP-8 Detection Antibody (Biotin) | | | | | | | | | | | | | | | | | |

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

Background

Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. However, the enzyme encoded by this gene is stored in secondary granules within neutrophils and is activated by autolytic cleavage. Its function is degradation of type I, II and III collagens. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3.

For Research Use Only