



# Rabbit Anti-MMP12 monoclonal antibody, clone TS04-34 (CABT-L587)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                              |                                                                             |
|------------------------------|-----------------------------------------------------------------------------|
| <b>Target</b>                | MMP12                                                                       |
| <b>Immunogen</b>             | Recombinant protein                                                         |
| <b>Isotype</b>               | IgG                                                                         |
| <b>Source/Host</b>           | Rabbit                                                                      |
| <b>Species Reactivity</b>    | Human, Mouse, Rat                                                           |
| <b>Clone</b>                 | TS04-34                                                                     |
| <b>Purification</b>          | Protein A purified.                                                         |
| <b>Conjugate</b>             | Unconjugated                                                                |
| <b>Applications</b>          | WB, ICC/IF, IHC, IP, FC                                                     |
| <b>Molecular Weight</b>      | 54/45/22 kDa                                                                |
| <b>Cellular Localization</b> | Secreted.                                                                   |
| <b>Positive Control</b>      | A549, MCF-7, Hela, THP-1, human breast carcinoma tissue, mouse lung tissue. |
| <b>Format</b>                | Liquid                                                                      |
| <b>Size</b>                  | 100 µl                                                                      |
| <b>Buffer</b>                | 1×TBS (pH7.4), 1% BSA, 40% Glycerol.                                        |
| <b>Preservative</b>          | 0.05% Sodium Azide                                                          |

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| <b>Storage</b> | Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
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## BACKGROUND

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| <b>Introduction</b> | The matrix metalloproteinases (MMP) are a family of peptidase enzymes responsible for the degradation of extracellular matrix components, including collagen, gelatin, fibronectin, laminin and proteoglycan. Transcription of MMP genes is differentially activated by phorbol ester, lipopolysaccharide (LPS) or staphylococcal enterotoxin B (SEB). MMP catalysis requires both calcium and zinc. MMP-12 (also designated macrophage metalloelastase) is produced in alveolar macrophages and degrades elastin. MMP-12 may contribute to elastin degradation occurring in granulomatous skin diseases and may also participate in macrophage migration through the epidermal and vascular basement membranes in inflammatory disorders. |
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| <b>Keywords</b> | EC 3.4.24.65;HME;Macrophage elastase;Macrophage metalloelastase;Macrophage metalloelastase;Matrix metalloproteinase 12 (macrophage elastase);Matrix metalloproteinase 12;Matrix metalloproteinase-12;ME;MGC138506;MME;MMP 12;MMP-12;Mmp12;MMP12_HUMAN antibody |
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