



## Monoclonal

# Anti-human MMP-25/MT6-MMP Antibody

### ORDERING INFORMATION

**Catalog Number:** MAB11421

**Clone:** 141825

**Lot Number:** GTT03

**Size:** 500 µg

**Formulation:** 0.2 µm filtered solution in PBS with 5% trehalose

**Storage:** -20° C

**Reconstitution:** sterile PBS

**Specificity:** human MMP-25

**Immunogen:** NS0-derived rhMMP-25 catalytic and hemopexin domains

**Ig class:** mouse IgG<sub>1</sub>

**Recommended Applications:**

Western blot  
Immunohistochemistry

### Background

Matrix Metalloproteinase 25 (MMP-25), also known as MT6-MMP or Leukolysin, is a GPI-linked protease expressed by neutrophils. The extracellular domain of MMP-25 consists of a pro region, a catalytic domain and a hemopexin domain. MMP-25 cleaves collagen type 4, gelatin, fibronectin and fibrin.

### Preparation

This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, NS0-derived, recombinant human MMP-25 (rhMMP-25; aa 314 - 508; Accession # Q9NPA2). The IgG fraction of the tissue culture supernatant was purified by Protein G affinity chromatography.

### Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

### Reconstitution

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 500 µg/mL.

### Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

### Specificity

This antibody detects the hemopexin domain of rhMMP-25 in Western blots. It recognizes *E. coli*-expressed hemopexin domain and NS0-expressed rhMMP-25.

### Applications

**Western blot** - This antibody can be used at 1 - 2 µg/mL with the appropriate secondary reagents to detect human MMP-25 that contains the hemopexin domain.

**Immunohistochemistry** - This antibody was used at a concentration of 25 µg/mL with the appropriate secondary reagents to detect MMP-25 in paraffin-embedded human lung tissue sections. For chromogenic detection of labeling, the use of R&D Systems Cell and Tissue Staining Kits (CTS Series) is recommended.

**Optimal dilutions should be determined by each laboratory for each application.**