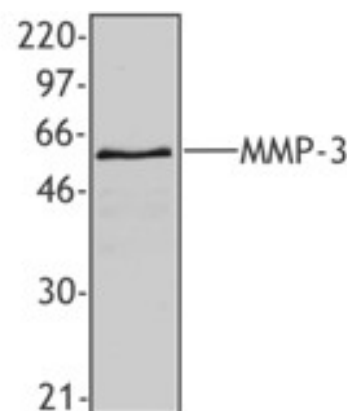


# Product Data Sheet

## Purified anti-MMP3

**Catalog # / Size:** 634902 / 100 µg  
**Clone:** F36P1B4  
**Isotype:** Mouse IgG1, κ  
**Immunogen:** Ovalbumin-conjugated synthetic peptide CKSLRKLEPELH  
**Reactivity:** Human  
**Preparation:** The antibody was purified by affinity chromatography.  
**Formulation:** This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide at 0.5 mg/ml.  
**Concentration:** 0.5 mg/ml  
**Storage:** Upon receipt, store undiluted at 4°C.



Western blot analysis of recombinant human MMP-3 protein using anti-MMP-3, clone F36P1B4.

## Applications:

**Applications:** WB - *Quality tested*  
 IHC, ELISA - *Reported in the literature*

**Recommended Usage:** Each lot of this antibody is quality control tested by Western blotting. For Western blotting, suggested working dilution(s): Use 4 µg/ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

**Application References:** 1. Murray G et al. 1998. *Gut*. 43:791.

**Description:** Matrix metalloproteinases (MMPs) are zinc-dependent endopeptidases that degrade substances within the extracellular matrix. The MMP family includes six different groups of enzymes: collagenases, gelatinases, stromelysins, transmembrane MMPs, matrilysins and others. MMPs are secreted as proenzymes that have to be cleaved in order to be activated. Other MMPs, plasmins as well as other factors activate MMPs. MMPs are thought to play an important role in tissue remodeling associated with various physiological and pathological processes. MMP1 cleaves collagens of types I, II, III, VII and X. MMP1 is thought to play an important role in rheumatoid and osteo-arthritis pathogenesis as mediators of cartilage and bone destruction. Clone F15P3B6 has been shown to be useful for western blotting and immunohistochemistry of human MMP1.

**Antigen References:** 1. Saus J, et al. 1988. *J. Biol. Chem.* 263:6742

### Related Products:

**Product**  
 AKP Goat anti-mouse IgG (minimal x-reactivity)  
 HRP Goat anti-mouse IgG (minimal x-reactivity)

**Clone**  
 Poly4053  
 Poly4053

**Application**  
 ELISA, WB, IHC  
 ELISA, IHC, WB



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