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# AM08199HR-N Monoclonal Antibody to MMP-3 - HRP

**Alternate names:** MMP3, Matrix metalloproteinase-3, SL-1, STMY1, Stromelysin-1, Transin-1

**Quantity:** 1 ml

**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.
MMP3 is an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation. MMP3 is reported to be implicated in rheumatoid arthritis and some forms of cancer.

**Uniprot ID:** P08254

**NCBI:** NP_002413.1

**GeneID:** 4314

**Host / Isotype:** Mouse / IgG2a

**Clone:** SB14d

**Immunogen:** Recombinant MMP-3.

**Format:** **State:** Liquid purified Ig fraction.
**Buffer System:** 50% Glycerol/50% PBS, pH 7.4 without preservatives.
**Label:** HRP – Horseradish Peroxidase

**Applications:** **ELISA:** 1/1,000-1/4,000.
**Immunohistochemistry** (Frozen/Paraffin): 1/1,000-1/2,000.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:** This antibody is specific for Human MMP-3.
Does not cross react to Human MMP-1, MMP-2 or MMP-9.
**Species:** Human.
Other species not tested.

**Storage:** Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

**General Readings:**
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