

## Product datasheet for **AM08199HR-N**

### **MMP3 Mouse Monoclonal Antibody [Clone ID: SB14d]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	SB14d
Applications:	ELISA, IHC
Recommended Dilution:	<b>ELISA:</b> 1/1,000-1/4,000. <b>Immunohistochemistry</b> (Frozen/Paraffin): 1/1,000-1/2,000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant MMP-3.
Specificity:	This antibody is specific for Human MMP-3. Does not cross react to Human MMP-1, MMP-2 or MMP-9.
Formulation:	50% Glycerol/50% PBS, pH 7.4 without preservatives. Label: HRP State: Liquid purified Ig fraction. Label: Horseradish Peroxidase
Conjugation:	HRP
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	matrix metalloproteinase 3
Database Link:	<a href="#">Entrez Gene 4314 Human P08254</a>



[View online »](#)

**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.

**Synonyms:**

Stromelysin-1, SL-1, Matrix metalloproteinase-3, Transin-1, MMP3, STMY1