SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Marker Primary Antibody]

Rabbit Anti-MMP11/AF647 Conjugated antibody

Catalog Number: SL1853R-AF647

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-MMP11/AF647
Immunogen:	KLH conjugated synthetic peptide derived from human MMP11
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Dog,Pig,Cow)
Background:	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. However, the enzyme encoded by this gene is activated intracellularly by furin within the constitutive secretory pathway. Also in contrast to other MMP's, this enzyme cleaves alpha 1-proteinase inhibitor but weakly degrades structural proteins of the extracellular matrix. [provided by RefSeq, Jul 2008]. **Function:** May play an important role in the progression of epithelial malignancies. **Subunit:** Secreted, extracellular space, extracellular matrix (Probable). **Subcellular Location:** Secreted, extracellular space, extracellular matrix (Probable).

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Tissue Specificity: Specifically expressed in stromal cells of breast carcinomas. **Post-translational modifications:** The precursor is cleaved by a furin endopeptidase. **Similarity:** Belongs to the peptidase M10A family. Contains 4 hemopexin-like domains. **Database links:** **Entrez Gene:** 4320 Human **Entrez Gene:** 17385 Mouse **Entrez Gene:** 25481 Rat Omim: 185261 Human **SwissProt:** P24347 Human **SwissProt:** Q02853 Mouse **SwissProt:** Q499S5 Rat **Unigene:** 143751 Human **Unigene:** 4561 Mouse **Unigene:** 11123 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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