Anti-Human MMP-10 (#9G33)

20230310DS

FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	**101-M805**
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with purified human recombinant human MMP-10).

Target Background

Synonyms (Target):	MMP10; SL-2; STMY2

Matrix metalloproteinases are a family of zinc and calcium dependent endopeptidases with the combined ability to degrade all the components of the extracellular matrix. MMP10 (stromelysin 2) degrades a broad range of substrates including gelatin, collagen types III, IV and V, fibronectin, aggrecan, and pig cartilage proteoglycan. MMP10 can activate other MMPs such as MMP1 and MMP8. MMP10 is expressed in keratinocytes, T cells, menstrual endometrium and a few tumor samples. Structurally, MMP10 may be divided into four distinct domains: a prodomain which is cleaved upon activation, a catalytic domain containing the zinc binding site; a short linker region, and a carboxyl terminal hemopexin- slike domain.

Database References Target

Protein RefSeq:	NP_002416.1
Uniprot ID:	P09238
mRNA RefSeq:	NM_002425.2

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#9G33)
Isotype	IgG1
Purification	Protein G chromatography
Antigen	recombinant human MMP-10
Formulation	lyophilized
Reconstitution buffer	PBS

Application/Handling

Reconstitution: Centrifuge vial prior to opening. Reconstitute the antibody with 500 µl sterile PBS and the final concentration is 200 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20°C for at least for six months without detectable loss of activity.

AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

The antibody can be used within the following applications:

Detection Ab

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!