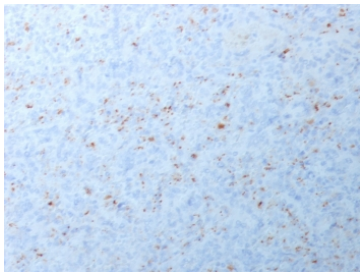
Recombinant MMP3 Antibody / Rabbit Monoclonal [clone MMP3/1994R] (V3641)

Catalog No.	Formulation	Size
V3641-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3641-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3641SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

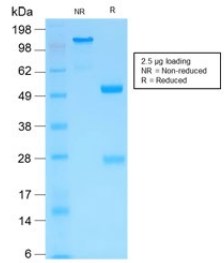
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	MMP3/1994R
Purity	Protein A affinity chromatography
UniProt	P08254
Localization	Cytoplasmic, secreted
Applications	ELISA (order BSA/sodium azide-free format for coating) Flow cytometry: 1-2ug/10^6 cells Western blot: 0.5-1ug/ml
Limitations	This recombinant MMP3 antibody is available for research use only.



IHC testing of FFPE human spleen with recombinant MMP3 antibody (clone MMP3/1994R). Required HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE analysis of purified, BSA-free recombinant MMP3 antibody (clone MMP3/1994R) as confirmation of integrity and purity.

Description

The matrix metalloproteinases (MMP) are a family of peptidase enzymes responsible for the degradation of extracellular matrix components, including collagen, gelatin, fibronectin, laminin and proteoglycan. Transcription of MMP genes is differentially activated by phorbol ester, lipopolysaccharide (LPS) or staphylococcal enterotoxin B (SEB). MMP catalysis requires both calcium and zinc. MMP3, MMP10 and MMP11 (also designated stromelysin-1, 2 and 3, respectively) activate procollagenase. MMP3 activation of procollagenase can occur via two pathways. Direct activation by MMP3 is slow and activation by MMP3 in conjunction with tissue or plasma proteinases is rapid. MMP10 is expressed in small intestine, and at lower levels in lung and heart. MMP11 is specifically expressed in stromal cells of breast carcinomas and contributes to epithelial cell malignancies.

Application Notes

Optimal dilution of the recombinant MMP3 antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Amino acids 317-327 were used as the immunogen for the recombinant MMP3 antibody.

Storage

Store the recombinant MMP3 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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