

Product Datasheet

MMP-14/MT1-MMP Antibody (LEM-2/15) - Azide and BSA Free **NBP3-09002-0.2mg**

Unit Size: 0.2 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-09002-0.2mg

MMP-14/MT1-MMP Antibody (LEM-2/15) - Azide and BSA Free

Product Information

Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	LEM-2/15
Preservative	0.02% Proclin 300
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	PBS

Product Description

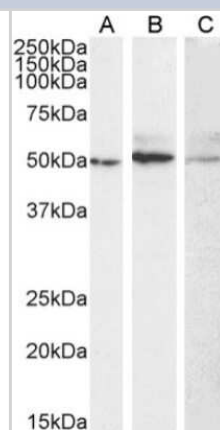
Host	Mouse
Gene ID	4323
Gene Symbol	MMP14
Species	Human
Specificity/Sensitivity	This antibody binds to residues 218-233 of the V-B loop of MT1-MMP with a Kd of 2.32E10-9M.
Immunogen	The cyclic peptide possessing the sequence of residues 218-233 of the V-B-loop of MT1-MMP.

Product Application Details

Applications	Western Blot, ELISA, Immunocytochemistry/Immunofluorescence, Block/Neutralize
Recommended Dilutions	Western Blot, ELISA, Immunocytochemistry/Immunofluorescence, Block/Neutralize WB
Application Notes	This antibody binds to residues 218-233 of the V-B loop of MT1-MMP which is a mediator of cell migration and is frequently involved in malignancy of tumours by promoting metastasis. The antibody acts as a non-competitive inhibitor of the receptor.

Images

Western Blot: MMP-14/MT1-MMP Antibody (LEM-2/15) [NBP3-09002] - A549 (A), HepG2 (B) and HeLa (C) cell lysate samples (35ug protein in RIPA buffer) were resolved on a 10% SDS PAGE gel and blots probed with the chimeric mouse IgG1 version of LEM-2/15 (NBP3-09002) at 0.3 ug/ml before detection using an anti-mouse secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence. The predicted running size for unprocessed MMP-14/MT1-MMP is 65.9 kDa. A signal peptide and propeptide are cleaved from MMP-14/MT1-MMP during post-translational processing. The processed form of MMP-14/MT1-MMP may be seen in all samples, and the unprocessed form in lanes B and C. NBP3-09002 successfully detected MMP-14/MT1-MMP in A549, HepG2 and HeLa cell lysates.





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Products Related to NBP3-09002-0.2mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-61379-1mg	Recombinant Human MMP-14/MT1-MMP Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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