

# Product Datasheet

## MMP-14/MT1-MMP Antibody (3-F7) NBP2-67415

Unit Size: 100 ul

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

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**NBP2-67415****MMP-14/MT1-MMP Antibody (3-F7)**

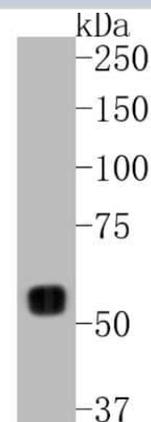
<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	3-F7
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	TBS (pH7.4), 0.05% BSA, 40% Glycerol

<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	4323
<b>Gene Symbol</b>	MMP14
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Synthetic peptide within Human MMP-14/MT1-MMP aa 149-200 / 582. (SwissProt: P50281 Human; SwissProt: P53690 Mouse; SwissProt: Q10739 Rat)

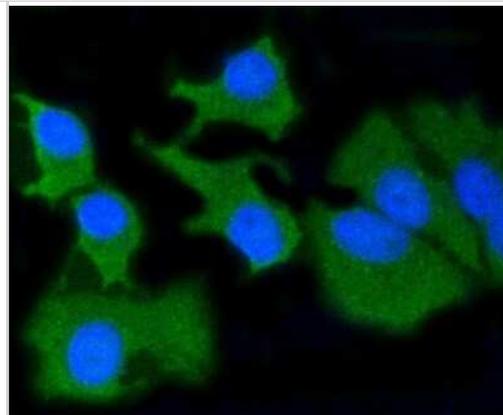
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunoprecipitation, Immunohistochemistry-Paraffin 1:50-1:200

**Images**

Western Blot: MMP-14/MT1-MMP Antibody (3-F7) [NBP2-67415] - Analysis of MMP14 on human kidney tissue lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.



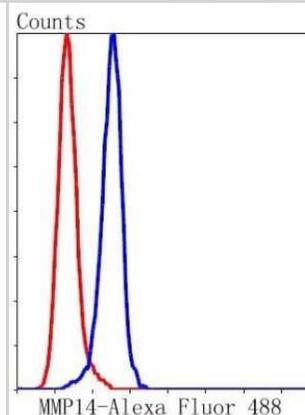
Immunocytochemistry/Immunofluorescence: MMP-14/MT1-MMP Antibody (3-F7) [NBP2-67415] - Staining MMP14 in BT-20 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



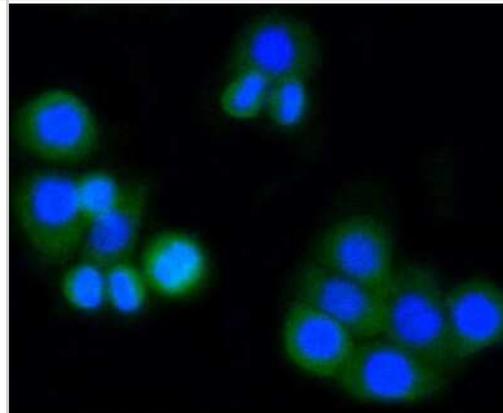
Immunohistochemistry-Paraffin: MMP-14/MT1-MMP Antibody (3-F7) [NBP2-67415] - Human endometrial adenocarcinoma paraffin-embedded tissue section. Tissue section was fixed, deparaffinized and EDTA was used for antigen retrieval. Incubated for 10 hours with primary antibody. IHC-P image submitted by a verified customer review.



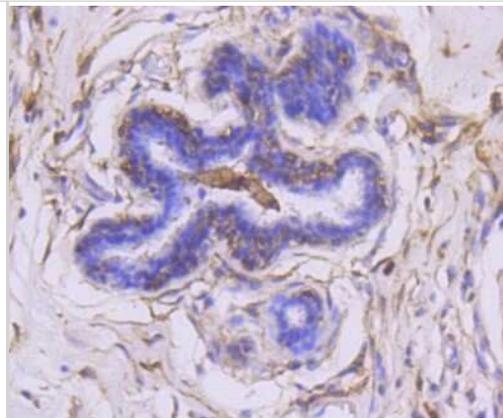
Flow Cytometry: MMP-14/MT1-MMP Antibody (3-F7) [NBP2-67415] - Analysis of A549 cells with MMP14 antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



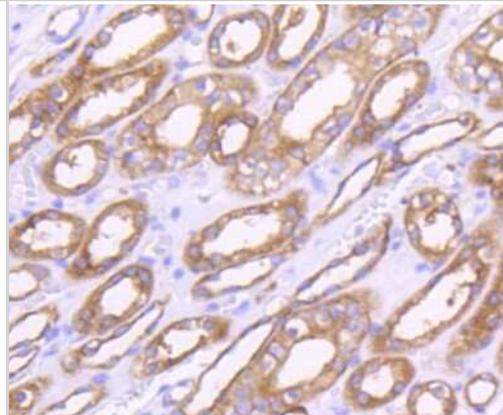
Immunocytochemistry/Immunofluorescence: MMP-14/MT1-MMP Antibody (3-F7) [NBP2-67415] - Staining MMP14 in CRC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



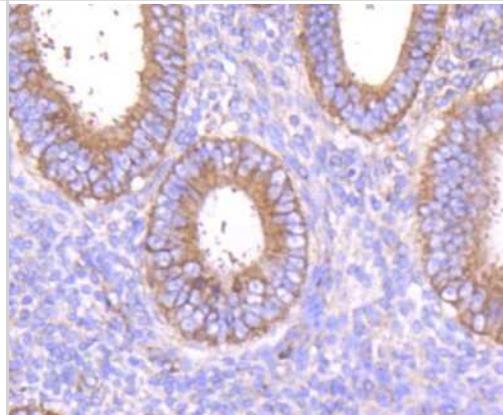
Immunohistochemistry-Paraffin: MMP-14/MT1-MMP Antibody (3-F7) [NBP2-67415] - Analysis of paraffin-embedded human breast carcinoma tissue using anti-MMP14 antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: MMP-14/MT1-MMP Antibody (3-F7) [NBP2-67415] - Analysis of paraffin-embedded human kidney tissue using anti-MMP14 antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: MMP-14/MT1-MMP Antibody (3-F7) [NBP2-67415] - Analysis of paraffin-embedded human uterus tissue using anti-MMP14 antibody. Counter stained with hematoxylin.



## Publications

Danilo Pellin, Natalie Claudio, Zihan Guo, Tahereh Ziglari, Ferdinando Pucci Gene Expression Profiling of Lymph Node Sub-Capsular Sinus Macrophages in Cancer *Frontiers in Immunology* 2021-06-08 [PMID: 34168645]

Feng Y, Cai H, Huang X et al. Active MT1-MMP is tethered to collagen fibers in DDR2-containing remnants *Gene* 2021-04-18 [PMID: 33882324]



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### **Products Related to NBP2-67415**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-61379-1mg	Recombinant Human MMP-14/MT1-MMP Protein

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### **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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