

Membrane type 1 Metalloprotease Recombinant Antibody | MT1-MMP recombinant antibody

Anti-Membrane type 1 Metalloprotease [LEM-2/15]

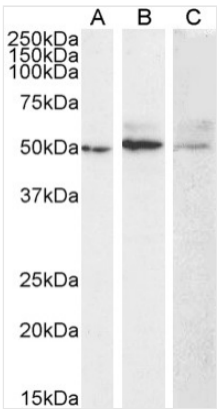
CATALOG # AAA71989	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

Membrane type 1 Metalloprotease; Monoclonal Recombinant Antibody; Anti-Membrane type 1 Metalloprotease [LEM-2/15]; MT1-MMP recombinant antibody

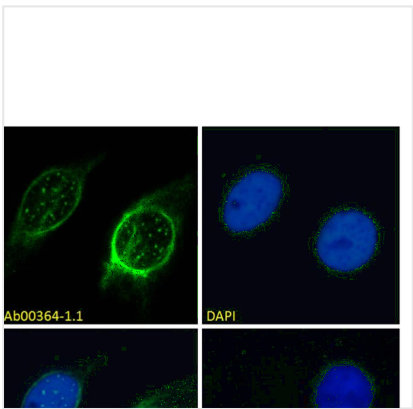
PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1, Kappa
Clone Number	LEM-2/15
Specificity	This antibody binds to residues 218-233 of the V-B loop of MT1-MMP with a Kd of 2.32E10-9M.
Purity/Purification	Protein A Affinity Purified
Concentration	1 mg/ml (varies by lot)
Applicable Applications for MT1-MMP recombinant antibody	Blocking, ELISA
Immunogen	The cyclic peptide possessing the sequence of residues 218-233 of the V-B-loop of MT1-MMP.
Buffer Composition	PBS only with 0.02% Proclin 300.
Labeled Substance	None
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.



WB (Western Blot)

Western Blot using anti-MT1-MMP (Membrane type 1 metalloprotease) antibody LEM-2/15 (Ab00364) 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 (Ab00364-1.1) 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 MT1-MMP is 65.9 kDa. A signal peptide and propeptide are cleaved from MT1-MMP during post-translational processing. The processed form of MT1-MMP may be seen in all samples, and the unprocessed form in lanes B and C. Ab00364-1.1 successfully detected MT1-MMP in A549, HepG2 and HeLa cell lysates.



IF (Immunofluorescence)

Immunofluorescence staining of fixed HeLa cells with anti-membrane type 1 metalloprotease antibody LEM-2/15 (Ab00364) Immunofluorescence analysis of paraformaldehyde fixed HeLa cells on Shi-fix™ coverslips, permeabilized with 0.15% Triton and stained with the chimeric mouse IgG1 version of LEM-2/15 (Ab00364-1.1) at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/ml), showing nuclear membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom Ab00364-1.1, DAPI, merged channels and an isotype control. The isotype control was stained with an unknown specificity antibody (Ab00178-1.1) followed by Alexa Fluor® 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for MT1-MMP recombinant antibody	Recombinant monoclonal antibody to Membrane type 1 metalloprotease. Manufactured using a proprietary Recombinant Platform with variable regions (i.e. specificity) from the hybridoma LEM-2/15. The cyclic peptide possessing the sequence of residues 218-233 of the V-B-loop of MT1-MMP.
Product Categories/Family for MT1-MMP recombinant antibody	Cancer; Cell Signalling
References	Udi et al. 2015. Inhibition mechanisms of membrane metalloprotease by an exosite swiveling conformational antibody. Structure 2015; 23: 104-115 PMID:25482542

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.