

Anti-Membrane type 1 metalloprotease [LEM-2/15] Standard Size Ab00364-1.4

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

Isotype and Format: Mouse IgG1, [Fc Silent™](#), Kappa

Clone Number: LEM-2/15

Alternative Name(s) of Target: MT1-MMP

UniProt Accession Number of Target Protein:

Published Application(s): Blocking, ELISA

Published Species Reactivity: Human

Immunogen: The cyclic peptide possessing the sequence of residues 218-233 of the V-B-loop of MT1-MMP.

Specificity: This antibody binds to residues 218-233 of the V-B loop of MT1-MMP with a Kd of 2.32E10-9M.

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.

Antibody First Published in: Udi et al. 2015 Inhibition mechanisms of membrane metalloprotease by an exosite swiveling conformational antibody. Structure 2015; 23: 104-115 [PMID:25482542](#)

Note on publication: Describes the crystal structures of the LEM-2/15 bound to MT1-MMP.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.