

Anti-TIMP1 Mouse Monoclonal Antibody

Cat#: 2228

Synonyms: TIMP, metalloproteinase inhibitor 1

Attribute: Mouse Monoclonal Antibody

Isotype: Ig2a

Purity: Protein A Purified

Application: ELISA, WB, IP

Calculated MW: 25kDa

Observed MW: 27kDa+54kDa

Identified Reactivity: Human, Mouse

Immunogen: Full length human TIMP1 protein

Buffer: PBS with 0.1% sodium azide and 50% glycerol, pH 7.2

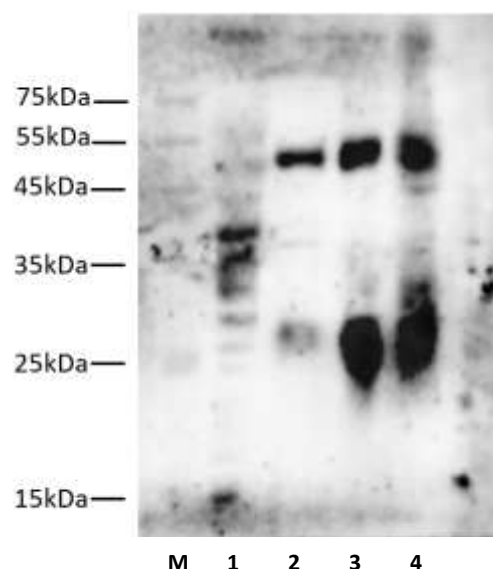
Storage: Store at -20°C. Do not aliquot

Recommended WB: 1:1000-2000

Dilution: IP: 3ug/Sample

Background:

TIMP1 (metalloproteinase inhibitor 1) is a metalloproteinase inhibitor that functions by forms one-to-one complexes with target metalloproteinases, such as collagenases, and irreversible inactivates them by binding to their catalytic zinc cofactor. TIMP1 acts on MMP1, MMP2, MMP3, MMP7, MMP8, MMP9, MMP10, MMP11, MMP12, MMP14, and MMP16. It also functions as a growth factor that regulates cell differentiation, migration, and cell death. TIMP1 activates cellular signaling cascades via CD63 and ITGB1



Western Blot analysis of anti TIMP1 antibody, at dilution of 1:1000

1: 293 cell lysates;
2: Human planet lysates
3: Mouse spleen lysates;
4: Mouse Liver lysates