

# Anti-TIMP-1 Antibody [4C2]

## EM2001-03



<b>Product Type:</b>	Mouse monoclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human
<b>Applications:</b>	FC, IF-Cell
<b>Molecular Wt:</b>	21 kDa
<b>Clone number:</b>	4C2

**Description:** Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. Also mediates erythropoiesis in vitro; but, unlike IL-3, it is species-specific, stimulating the growth and differentiation of only human and murine erythroid progenitors. Known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-10, MMP-11, MMP-12, MMP-13 and MMP-16. Does not act on MMP-14.

**Immunogen:** Recombinant human TIMP-1

**Subcellular location:** Secreted.

**Database links:** SwissProt: P01033 Human

**Recommended Dilutions:**

<b>FC</b>	1ug/Test
<b>IF-Cell</b>	1:50-1:200

**Storage Buffer:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

**Storage Instruction:** Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Purity:** Protein G affinity purified.

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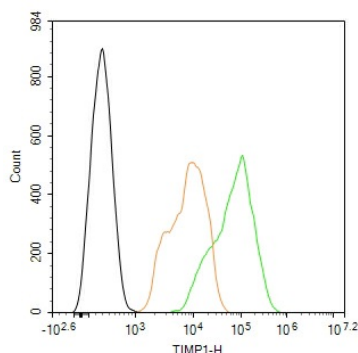
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Technical:0086-571-89986345

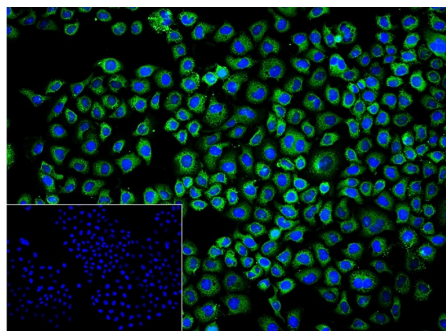
Service mail:support@huabio.cn

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## Images



**Fig1:** The HeLa (treated with 500nM BFA for 2 hours) (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at  $-20^{\circ}\text{C}$ , the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Mouse Anti-TIMP1 antibody (EM2001-03):  $1\ \mu\text{g}/10^6$  cells; Isotype Control (orange): Mouse IgG. Blank control (black): PBS. Acquisition of 20,000 events was performed.



**Fig2:** 4% Paraformaldehyde-fixed HeLa (treated with 500nM BFA for 2 hours) (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (TIMP1) monoclonal Antibody, unconjugated (EM2001-03) 1:100, 90 min at  $37^{\circ}\text{C}$ ; followed by conjugated Goat Anti-Mouse IgG antibody (green, FITC) at  $37^{\circ}\text{C}$  for 90 min, DAPI (blue) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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Service mail: support@huabio.cn

  
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