# Product Datasheet

## TIMP1 Antibody (orb1272681)

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| **Catalog Number** | orb1272681 |
| **Category** | Antibodies |
| **Description** | TIMP1 Antibody |
| **Target** | TIMP1 |
| **Clonality** | Polyclonal |
| **Species/Host** | Rabbit |
| **Conjugation** | Unconjugated |
| **Reactivity** | Human |
| **Form/Appearance** | Lyophilized |
| **Concentration** | batch dependent |
| **Immunogen** | Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant hTIMP-1 (human Tissue Inhibitor of Metalloproteinases-1). Human TIMP-1 specific antibody was purified by affinity chromatography employing immobilized hTIMP-1 matrix. |
| **UniProt ID** | P01033 |
| **Tested applications** | ELISA, NeA, WB |

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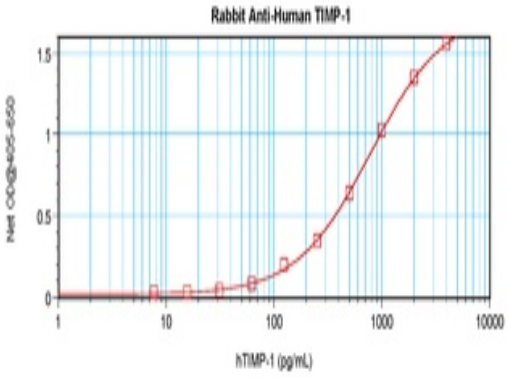
|---|---|
| **Application notes** | Neutralization:To yield one-half maximal inhibition [ND50] of the biological activity of Human TIMP-1 (3.0 µg/mL), a concentration of 5.0 µg/mL of this antibody is required.ELISA:Indirect:To detect hTIMP-1 by indirect ELISA (using 100 µL/well antibody solution) a concentration of 0.5 - 2.0 µg/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hTIMP-1.SandwichTo detect hTIMP-1 by sandwich ELISA (using 100 µL/well antibody solution) a concentration of 0.5 - 2.0 µg/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with our biotinylated Anti-Human TIMP-1 as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hTIMP-1. Western Blot:To detect hTIMP-1 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant hTIMP-1 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions. |
| **Antibody Type** | Primary Antibody |
| **Modifications** | None |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Note** | For research use only |
| **NCBI** | **P01033** |
| **Expiration Date** | 12 months from date of receipt. |




To detect hTIMP-1 by sandwich ELISA (using 100 ul/well antibody solution) a concentration of 0.5 - 2.0 ug/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Human TIMP-1 (orb1272680) as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hTIMP-1.

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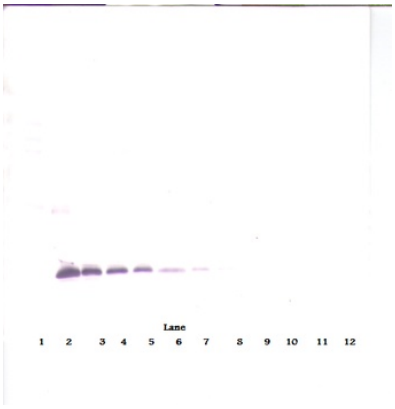
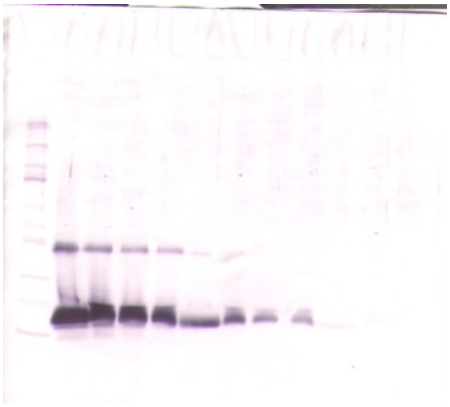



To detect hTIMP-1 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 ug/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hTIMP-1 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.



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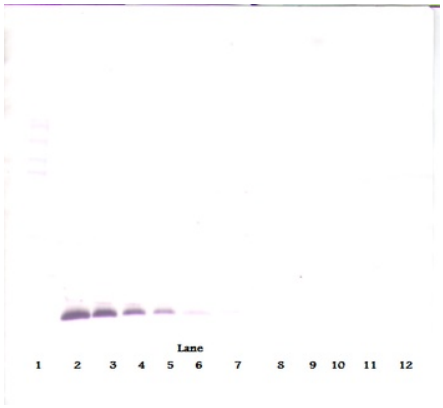


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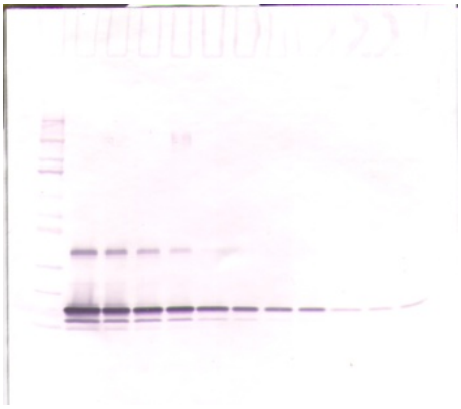

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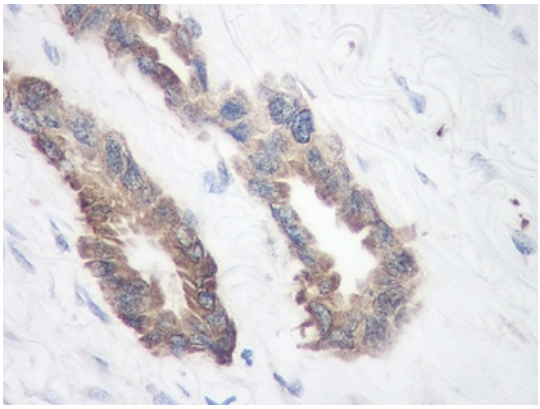
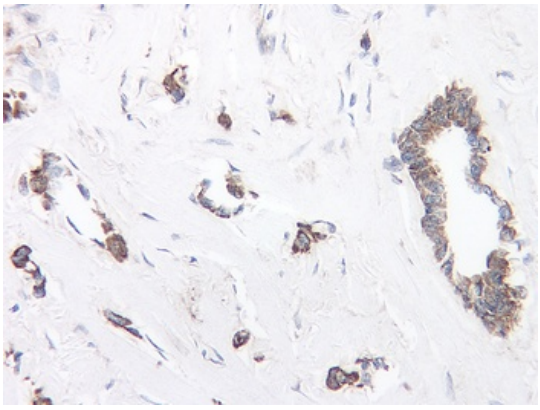


This antibody stained formalin-fixed, paraffin-embedded sections of human breast invasive ductal carcinoma. The recommended concentration is 0.1 ug/ml with an overnight incubation at 4 °C. An HRP-labeled polymer detection system was used with a DAB chromogen. Optimal results were achieved with a proteinase K antigen retrieval. Optimal concentrations and conditions may vary.



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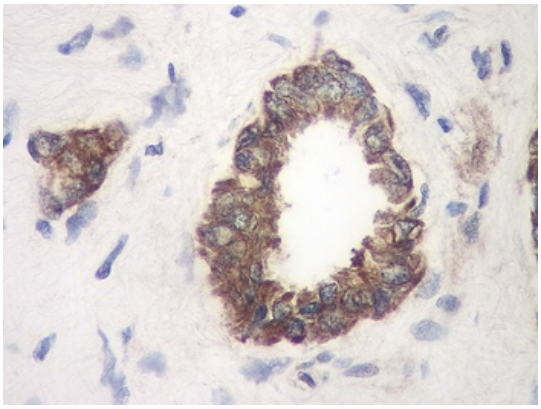

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