Mouse Anti-Human TIMP-4

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
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</thead>
<tbody>
<tr>
<td>12035-01</td>
<td>Purified (UNLB)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>12035-05</td>
<td>Horseradish Peroxidase (HRP)</td>
<td>1.0 mL</td>
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Overview

Clone          | SB30c
Isotype       | Mouse (BALB/c) IgG2aκ
Immunogen     | Recombinant human TIMP-4 (a.a. 35-224)
Specificity   | Human/Mouse/Rat TIMP-4
Alternate Name(s) | Tissue inhibitor of metalloproteinase 4

Description

Tissue inhibitors of matrix metalloproteinases (TIMPs) constitute a family of secreted multifunctional proteins which are classified based on structural similarity to each other as well as their ability to inhibit matrix metalloproteinases (MMPs). TIMPs play a critical role in ECM homeostasis but have also been shown to have erythroid-potentiating and cell growth-promoting activities. TIMP-4, unlike TIMP-1, TIMP-2 and TIMP-3, shows restricted localization to cardiac, neural, breast, and muscle tissue. Cardiospecific TIMP-4 seems to play a significant role in regulating the normal cell phenotype since reduced levels elicit cellular transformation.

Applications

WB – Quality tested 1-3
IHC-PS 4
ICC 4
ELISA 5

Working Dilutions

<table>
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<tr>
<th>Application</th>
<th>Description</th>
<th>Dilution</th>
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<tbody>
<tr>
<td>Immunoblotting</td>
<td>Purified (UNLB) antibody</td>
<td>≤ 2 μg/mL</td>
</tr>
<tr>
<td></td>
<td>HRP conjugate</td>
<td>1:1,000 – 1:2,000</td>
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Other Applications

Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.
Handling and Storage

- The purified antibody (UNLB) is supplied as 0.1 mg purified immunoglobulin in 0.2 mL of borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added. Store at 2-8°C.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL in a stock solution of 50% glycerol/50% PBS, pH 7.4. No preservative added. Store at 2-8°C or long-term at -20°C.
- Reagents are stable for the period shown on the label if stored as directed.

References

4. SouthernBiotech published data (IHC-PS, ICC)
5. SouthernBiotech unpublished data (ELISA)