**Mouse FGF-21 Antibody**

**Antigen Affinity-purified Polyclonal Goat IgG**

**Catalog Number:** AF3057

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### DESCRIPTION

**Species Reactivity**

Mouse

**Specificity**

Detects mouse FGF-21 in direct ELISAs and Western blots. In these formats, approximately 15% cross-reactivity with recombinant human (rh) FGF-21 is observed and less than 1% cross-reactivity with rhFGF-19 and rhFGF-23 is observed.

**Source**

Polyclonal Goat IgG

**Purification**

Antigen Affinity-purified

**Immunogen**

E. coli-derived recombinant mouse FGF-21 Tyr30-Ser210

Accession # Q9JJN1

**Endotoxin Level**

<0.10 EU per 1 μg of the antibody by the LAL method.

**Formulation**

Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

*Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

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### APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

<table>
<thead>
<tr>
<th>Sample</th>
<th>Recommended Concentration</th>
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<tbody>
<tr>
<td>Western Blot</td>
<td>0.25 μg/mL</td>
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</tbody>
</table>

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### DATA

**Western Blot**

Detection of Mouse FGF-21 by Western Blot. Western blot shows lysates of mouse spleen tissue and rat spleen tissue. PVDF membrane was probed with 0.25 μg/mL of Goat Anti-Mouse FGF-21 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3057) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF019). A specific band was detected for FGF-21 at approximately 26 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

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### PREPARATION AND STORAGE

**Reconstitution**

Reconstitute at 0.2 mg/mL in sterile PBS.

**Shipping**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

**Stability & Storage**

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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### BACKGROUND

Mouse FGF-21 is a 20 kDa, secreted, nonglycosylated polypeptide that is a member of the FGF family. It is synthesized as a 210 amino acid (aa) precursor that contains a 28 aa signal sequence and a 182 aa mature region. Mature mouse FGF-21 shares 81%, 80%, 79% and 92% aa sequence identity with human, bovine, canine and rat FGF-21, respectively. FGF-21 seems to be produced by the liver and exhibits unique antidiabetogenic effects in fat.