

## DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	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.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant mouse FGF-21 Tyr30-Ser210 Accession # Q9JJN1
<b>Endotoxin Level</b>	<0.1 EU per 1 µg of the antibody by the LAL method.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

## 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	0.1 µg/mL	Recombinant Mouse FGF-21

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<p><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b></p> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month from date of receipt, 2 to 8 °C, reconstituted.</li> <li>● 6 months from date of receipt, -20 to -70 °C, reconstituted.</li> </ul>

## 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.