**DESCRIPTION**

**Species Reactivity**
Human/Primate

**Specificity**
Detects human ANGPTL4 in ELISAs and Western blots. In sandwich immunoassays, less than 0.2% cross-reactivity with recombinant human (rh) ANGPTL3, rhAngiopoietin-1, -2, -3, and -4 is observed. In Western blots, approximately 1% cross-reactivity with rhANGPTL4 N-terminal Fragment is observed.

**Source**
Polyclonal Goat IgG

**Purification**
Antigen Affinity-purified

**Immunogen**
Mouse myeloma cell line NS0-derived recombinant human Angiopoietin-like 4/ANGPTL4
Leu165-Ser406
Accession # Q9BY76

**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.

**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>Recommended Concentration</th>
<th>Sample</th>
</tr>
</thead>
<tbody>
<tr>
<td>Western Blot</td>
<td>0.1 µg/mL</td>
</tr>
<tr>
<td>Human/Primate Angiopoietin-like Protein 4/ANGPTL4 Sandwich Immunoassay</td>
<td>0.2-0.8 µg/mL</td>
</tr>
<tr>
<td>ELISA Capture</td>
<td>0.1-0.4 µg/mL</td>
</tr>
</tbody>
</table>

**PREPARATION AND STORAGE**

<table>
<thead>
<tr>
<th>Reconstitution</th>
<th>Reconstitute at 0.2 mg/mL in sterile PBS.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shipping</td>
<td>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</td>
</tr>
</tbody>
</table>

**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.

**BACKGROUND**

ANGPTL4, also known as PPARγ angiopoietin-related protein (PGAR), hepatic fibrinogen/angiopoietin-related protein (HFARP) and fasting-induced adipose factor (FIAF), is a secreted protein that shares structural homology with angiopoietins. It contains an N-terminal coiled-coil region that mediates covalent homooligomerization and a C-terminal fibrinogen-like domain. ANGPTL4 undergoes proteolytic processing and releases the C-terminal domain, which circulates as a monomer. At least 2 additional splice isoforms exist. ANGPTL4 is most highly expressed in adipose tissues. Its expression is up-regulated in endothelial cells and cardiomyocytes during hypoxia. ANGPTL4 is involved in the regulation of lipid and glucose metabolism. It has also been associated with angiogenesis. The amino acid sequence of human ANGPTL4 is 81%, 76% and 81% identical to that of porcine, mouse and canine ANGPTL4, respectively.