

#### DESCRIPTION

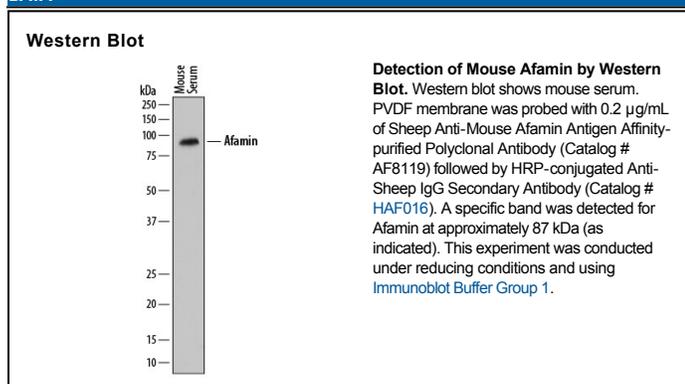
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse Afamin in direct ELISAs and Western blots. In direct ELISAs, less than 10% cross-reactivity with recombinant human Afamin is observed.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse Afamin Leu22-Met608 Accession # O89020
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	0.2 µg/mL	See Below

#### DATA



#### 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. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

#### BACKGROUND

Afamin, also known as AFM or α-Albumin, is an 84-88 kDa secreted monomeric glycoprotein member of the Alb/albumin family of molecules. Expressed by hepatocytes, CNS endothelial cells and osteoclasts, Afamin circulates in the blood at low µg/mL concentrations. Afamin is known to bind and transport vitamin E, particularly under conditions where lipoprotein is limited. This is likely to be important in follicular fluid and CSF. Afamin also serves as an osteoclast-derived chemoattractant for preosteoblasts, providing a rationale for the observation that bone formation often follows bone resorption. Mature mouse Afamin is 587 amino acids (aa) in length (aa 22-608). It contains three consecutive albumin domains (aa 22-210, 211-403 and 404-599) that contain characteristic 5 or 6 intrachain disulfide bonds. Full-length mouse Afamin shares 67% aa sequence identity with human Afamin.