Mouse Afamin Alexa Fluor® 405-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF8119V
100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Afamin in direct ELISAs and Western blots. In direct ELISAs, less than 10% cross-reactivity with recombinant human Afamin is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Afamin Leu22-Met608 Accession # O89020
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

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