

AG-20A-0073

15-Oct-2010

**anti-FGF-23 (human), mAb (FG322-3)**

[Fibroblast Growth Factor 23; Tumor-derived Hypophosphatemia-inducing Factor]

AG-20A-0073-C050	50 µg
AG-20A-0073-C100	100 µg
Clone	FG322-3
Isotype	Mouse IgG1κ
Immunogen	Recombinant human FGF-23.

**Handling / Storage**

Shipping	BLUE ICE
Short Term Storage	+4°C
Long Term Storage	-20°C

After opening, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

**Use / Stability**

MSDS available at [www.adipogen.com](http://www.adipogen.com) or upon request.

**Product Specifications**

Specificity	Recognizes human FGF-23. Does not cross-react with mouse FGF-23.
Species Crossreactivity	Human
Application	<b>ELISA:</b> (direct and indirect: 1:2'000-1:5'000) <b>Immunohistochemistry:</b> (paraffin sections (1:100-1:500)) <b>Western Blot:</b> (1:2'000-1:5'000 using ECL. Suggested blocking and dilution buffer is PBST containing 0.05% Tween 20 and 5% skim milk. Suggested incubation time is 1 hour at room temperature). Optimal conditions must be determined individually for each application.
Formulation	Liquid. 0.2µm-filtered solution in PBS, pH 7.4. Contains no preservatives.
Concentration	1mg/ml

**Product Description**

FGF-23 is a regulator of phosphate homeostasis. It upregulates EGR1 expression in the presence of KLB. Acts directly on the parathyroid to decrease PTH secretion. Regulates the vitamin-D metabolism. Negatively regulates osteoblast differentiation and matrix mineralization. Defects in FGF-23 are the cause of autosomal dominant hypophosphatemic rickets (ADHR) and of hyperphosphatemic familial tumoral calcinosis (HFTC).

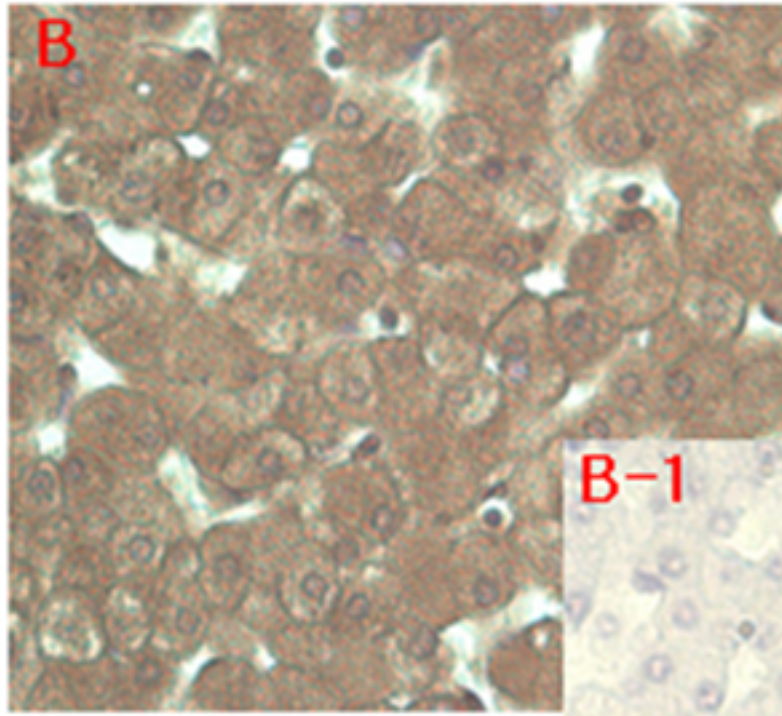
**WARNING:** Intended for research use only. This product is not intended or approved for human, diagnostics, therapeutic or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death. **MATERIAL SAFETY DATA:** Review the complete Material Safety Data Sheet before use.

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**Figure 1:** Immunohistochemical staining of human tissue using anti-FGF-23 (human), mAb (FG322-3) (Prod. No. AG-20A-0073) at 1:200 dilution. A. Immunoperoxidase staining (cytoplasmic) of formalin-fixed, paraffin-embedded human liver (200x, brown colour). B. Isotype control with IgG1 (negative control).

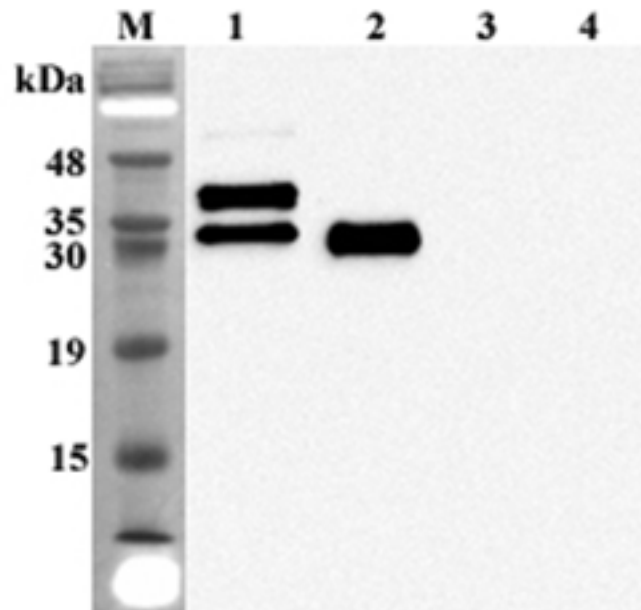
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**Figure 2:** Western blot analysis of human FGF23 using anti-FGF-23 (human), mAb (FG322-3) (Prod. No. AG-20A-0073) at 1:2,000 dilution.

1. Recombinant human FGF23 (FC protein).
2. Recombinant human cleavage-resistant FGF23 (R179Q).
3. Recombinant mouse FGF23 (Fc protein).
4. Recombinant human IL-17 (FC protein) (negative control).

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