

## Fetuin B Polyclonal Antibody(Capture/Detector)

**catalog number: AN002500P**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

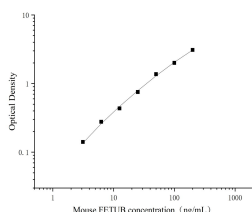
### Description

<b>Reactivity</b>	Human;Mouse
<b>Immunogen</b>	Recombinant Mouse Fetuin B protein expressed by Mammalian
<b>Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG
<b>Purification</b>	Antigen Affinity Purification
<b>Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.05% Proclin300.

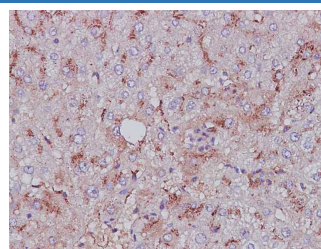
### Applications Recommended Dilution

<b>ELISA Capture</b>	2-8 µg/mL
<b>ELISA Detector</b>	0.1-0.4 µg/mL
<b>IHC</b>	1:300-1:600

### Data



Sandwich ELISA-Recombinant Mouse Fetuin B protein standard curve. Background subtracted standard curve using Fetuin B antibody(AN002500P)(Capture), Fetuin B antibody(AN002500P)(Detector) in sandwich ELISA. The reference range value for Recombinant Mouse Fetuin B protein is 3.12-200 ng/mL.



Immunohistochemistry of paraffin-embedded Human liver using Fetuin B Polyclonal Antibody at dilution of 1:550.

### Preparation & Storage

<b>Storage</b>	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### Background

### For Research Use Only

Fetuin is a member of the cystatin superfamily of cysteine protease inhibitors. Additional members of this superfamily are kininogen and histidine-rich glycoprotein. Fetuin A and B are two known members of the fetuin family. Hepatocytes are believed to be the principal cellular source, but other cell types also express it. Fetuin A, also known as alpha 2-Heremans-Schmid glycoprotein, is an inhibitor of basic calcium phosphate precipitation and a negative acute-phase protein. Normal circulating levels of Fetuin A in adults (300-600 ug/mL) fall significantly (30-50%) during injury and infection. Fetuin B is a newer member whose function is not fully characterized. Fetuin A and B display similarities and differences in their characteristics. Fetuin B exhibits reduction of calcification, while both mRNA levels were down regulated during the acute phase in inflammation-induced rats. However, they share only 20% amino acid sequence identity. The amounts of Fetuin B in human serum, unlike Fetuin A, vary with gender and are higher in females than in males.