

Fetuin A/AHSG Polyclonal Antibody(Capture/Detector)

catalog number: AN003750P

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

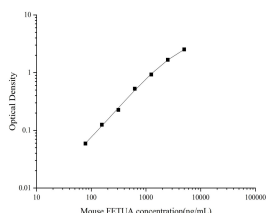
Description

Reactivity	Mouse
Immunogen	Recombinant Mouse Fetuin A/AHSG Protein expressed by Mammalian
Host	Rabbit
Isotype	Rabbit IgG
Purification	Antigen Affinity Purification
Buffer	Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300.

Applications Recommended Dilution

ELISA Capture	2-8 µg/mL
ELISA Detector	0.1-0.4 µg/mL

Data



Sandwich ELISA-Recombinant Mouse Fetuin A/AHSG Protein standard curve. Background subtracted standard curve using Anti-Fetuin A/AHSG antibody(AN003750P) (Capture), Anti-Fetuin A/AHSG antibody(AN003750P) (Detector). The reference range value is 78.12-5000 ng/mL for mouse.

Preparation & Storage

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

Background

Fetuin-A, also named as Alpha2-HS glycoprotein (AHSG), is a member of cystatin superfamily of protease inhibitors. It is a highly expressed glycoprotein in various fetal tissues whereas it is mainly expressed by the liver in adults. Fetuin A, an extracellular inhibitor of transforming growth factor β , is a profibrogenic stimulus in liver disease. Circulating fetuin-A may be a beneficial serum biomarker in the detection of liver and vascular fibrosis progression in patients with non-alcoholic fatty liver disease. It is also involved in several functions, such as endocytosis, brain development and the formation of bone tissue. Fetuin-A exerts its effects on the cardiovascular system by two different mechanisms. On the one hand it inhibits insulin signaling and induces insulin resistance contributing to the onset of atherosclerosis and on the other hand it inhibits calcium deposition and protects from vascular calcification.

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