

## Mouse Fetuin A/AHSG Biotinylated Antibody

Monoclonal Rat IgG<sub>2A</sub> Clone # 207432 Catalog Number: BAM15631

DESCRIPTION	
Species Reactivity	Mouse
Specificity	Detects mouse Fetuin A/AHSG in ELISAs. In sandwich immunoassays, no cross-reactivity or interference with recombinant human (rh) Fetuin A, rhTGF-β1, recombinant mouse (rm) BMP-4, rmMMP-2, recombinant rat MMP-2, or rmMMP-9 is observed.
Source	Monoclonal Rat IgG <sub>2A</sub> Clone # 207432
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Fetuin A/AHSG Ala19-lle345 Accession # P29699
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

## **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.

Mouse Fetuin A/AHSG Sandwich Immunoassay Reagent 2-8 µg/mL **ELISA Capture** Mouse Fetuin A/AHSG Antibody (Catalog # MAB15632)

**ELISA Detection** 0.5-2.0 µg/mL Mouse Fetuin A/AHSG Biotinylated Antibody (Catalog # BAM15631)

Standard Recombinant Mouse Fetuin A/AHSG (Catalog # 1563-PI)

PREPARATION AND STORAGE	
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
	<ul> <li>12 months from date of receipt, -20 to -70 °C as supplied.</li> </ul>
	<ul> <li>1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> </ul>
	<ul> <li>6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

Mouse Fetuin A, also known as α2-Heremans-Schmid glycoprotein, is encoded by the AHSG gene. It has been also called "countertrypsin" because of its ability to inhibit trypsin (1). It is a major plasma protein and a member of the cystatin superfamily of protease inhibitors (2, 3). It is expressed by hepatocytes, the principal cell source, and by monocyte/macrophages (4). The major form of plasma Fetuin A corresponds to two disulfide bond-linked chains derived from the single chain (5). Fetuin-A has a number of functions. It is a negative acute-phase protein with normal circulating levels in adults (300-600 µg/mL), which fall significantly (30-50%) during injury and infection (5). It enhances entry of cationic inhibitors into macrophages (6). It inhibits both insulin receptor autophosphorylation and undesirable calcification (7, 8).

## References:

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