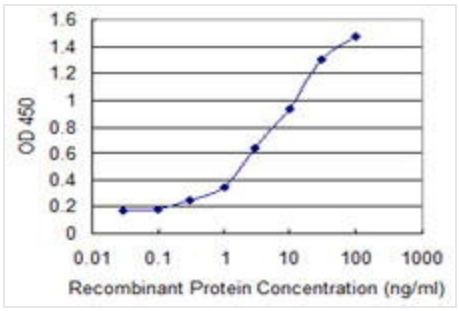
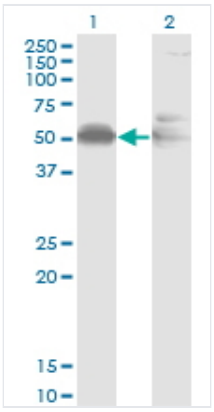
AHSG Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

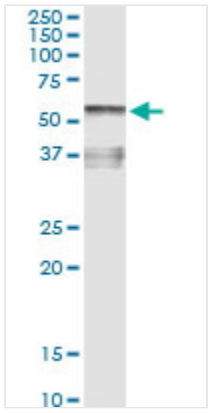
Product Name	AHSG, Monoclonal Antibody
Full Product Name	AHSG (alpha-2-HS-Glycoprotein, A2HS, AHS, FETUA, HSGA) (Biotin)
Product Gene Name	anti-AHSG antibody
Product Synonym Names	alpha-2-HS-Glycoprotein; A2HS; AHS; FETUA; HSGA
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1D8
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified
Specificity	Recognizes AHSG.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Immunogen	AHSG (AAH48198.1, 19aa-367aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Conjugate	Biotin
Product Categories/Family for anti-AHSG antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-AHSG antibody	Immunoprecipitation (IP), Western Blot (WB)
Application Notes for anti-AHSG antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-AHSG antibody	Alpha2-HS glycoprotein (AHSG), a glycoprotein present in the serum, is synthesized by hepatocytes. The AHSG molecule consists of two polypeptide chains, which are both cleaved from a proprotein encoded from a single mRNA. It is involved in several functions, such as endocytosis, brain development and the formation of bone tissue. The protein is commonly present in the cortical plate of the immature cerebral cortex and bone marrow hemopoietic matrix, and it has therefore been postulated that it participates in the development of the tissues. However, its exact significance is still obscure. [provided by RefSeq]
Other Notes	Small volumes of anti-AHSG antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for AHSG purchase	MBS6173605 is an antibody targeting AHSG. Also known as AHSG (alpha-2-HS-Glycoprotein, A2HS, AHS, FETUA, HSGA) (Biotin). Host: Mouse.



Testing Data of anti-AHSG antibody
Detection limit for recombinant GST tagged AHSG is 0.1 ng/ml as a capture antibody.



Western Blot (WB) of anti-AHSG antibody
Western Blot analysis of AHSG expression in transfected 293T cell line by AHSG monoclonal antibody (M02), clone 1D8.Lane 1: AHSG transfected lysate (39.3 KDa).Lane 2: Non-transfected lysate.



Immunoprecipitation (IP) of anti-AHSG antibody
Immunoprecipitation of AHSG transfected lysate using anti-AHSG monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with AHSG MaxPab rabbit polyclonal antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AHSG. It may not necessarily be applicable to this product.

NCBI GI #	29387000
NCBI GeneID	197
NCBI Accession #	AAH48198.1
UniProt Related Accession #	P02765
NCBI Official Full Name	Alpha-2-HS-glycoprotein
NCBI Official Synonym Full Names	alpha 2-HS glycoprotein
NCBI Official Symbol	AHSG
NCBI Official Synonym Symbols	AHS; A2HS; HSGA; APMR1; FETUA
Protein Family	Alpha-2-HS-glycoprotein
NCBI Protein Information	alpha-2-HS-glycoprotein
NCBI Summary for AHSG	The protein encoded by this gene is a negatively-charged serum glycoprotein that is synthesized by hepatocytes. The encoded protein consists of two polypeptide chains, which are both cleaved from a proprotein encoded from a single mRNA. It is involved in several processes, including endocytosis, brain development, and the formation of bone tissue. Defects in this gene are a cause of susceptibility to leanness. [provided by RefSeq, Aug 2017]

Research Articles on AHSG	**1.** Data found that the abundance of fetuin-A was upregulated at mRNA and protein levels in placental samples of pregnant women with gestational diabetes mellitus (GDM). Fetuin-A inhibited placental cell growth by inducing apoptosis and inhibiting S phase entry. Furthermore, fetuin-A inhibited autophagy blocking the growth of the primary cilium, a cellular antenna that regulates placenta development and differentiation.
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