Fetuin / AHSG (alpha 2-HS glycoprotein) Antibody

Mouse Monoclonal Antibody [Clone AHSG/3748]

Catalog No	Format	Size
197-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
197-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
197-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

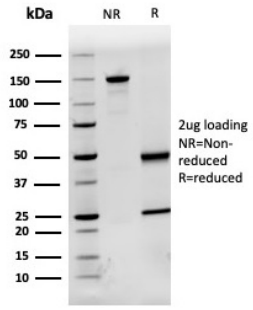
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	AHSG/3748
Gene Name	AHSG
Immunogen	Recombinant fragment of human AHSG protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	59kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	Human liver, kidney, testisor placenta

**Optimal dilution for a specific application should be determined.*

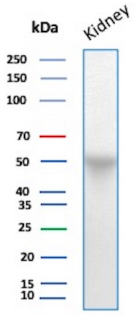
Product Images for Fetuin / AHSG (alpha 2-HS glycoprotein) Antibody



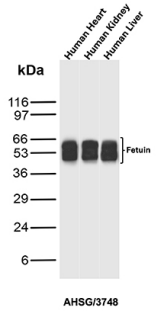
SDS-PAGE Analysis of Purified Fetuin / AHSG Mouse Monoclonal Antibody (AHSG/3748). Confirmation of Purity and Integrity of Antibody.



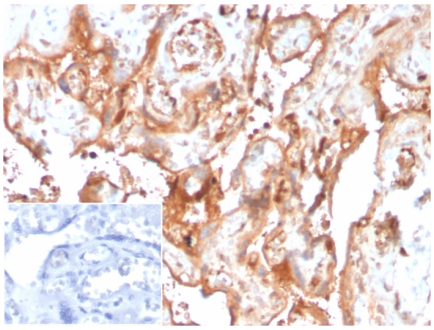
Analysis of Protein Array containing more than 19,000 full-length human proteinsusing Fetuin / AHSG Monospecific Mouse Monoclonal Antibody (AHSG/3748). Z- and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Western blot analysis of Human Kidney tissue lysate using AHSG Mouse Monoclonal Antibody (AHSG/3748).



Western blot analysis of human heart, kidney and liver tissue lysates using Fetuin Mouse Monoclonal Antibody (AHSG/3748).



Formalin-fixed, paraffin-embedded human placenta stained with Fetuin / AHSG Mouse Monoclonal Antibody (AHSG/3748) at 2ug/ml. Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

Fetuin (also designated ?2-z-globulin or ?2-HS-glycoprotein) is a secreted plasma protein that is expressed in hepatocytes, monocyte/macrophages and in bone and is downregulated during injury and inflammation. Fetuin preferentially binds to and carries calcium and barium ions in the blood, where it is thought to mediate serum calcium homeostasis and mineralization, and to potentially participate in the transport of bioactive molecules. Additionally, fetuin has been shown to function as an acute phase anti-inflammatory mediator that is critical to regulating the innate immune response following tissue injury. During inflammation, circulating fetuin levels substantially decrease as fetuin becomes associated with the membranes of macrophages. This membrane associated form of fetuin acts as an opsonic participant by potentiating the entry of cationic small molecules into the activated macro-phage, which in turn facilitates macrophage-deactivating mechanisms. Biologically active fetuin is derived from a precursor protein that is cleaved at the aminoterminus to generate two chains held together by a single disulfide bond.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Immunology

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.