Apolipoprotein B / APOB Antibody

Mouse Monoclonal Antibody [Clone APOB/4335]

Catalog No	Format	Size
338-MSM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
338-MSM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
338-MSM5-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

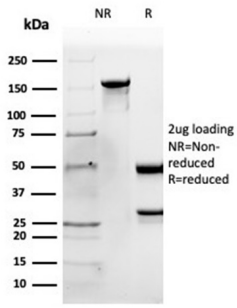
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

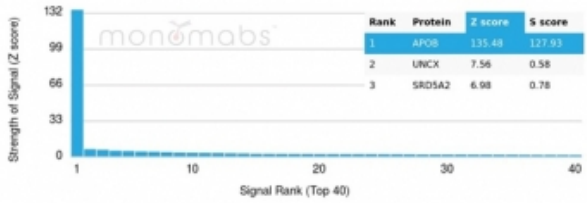
Clone	APOB/4335
Gene Name	APOB
Immunogen	Human recombinant APOB protein fragment (around aa 592-689) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b, IgG2c / Kappa
Mol. Weight of Antigen	512kDa
Cellular Localization	Cytoplasm, Lipid droplet, Secreted
Species Reactivity	Human
Positive Control	Human liver or kidney tissue.

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

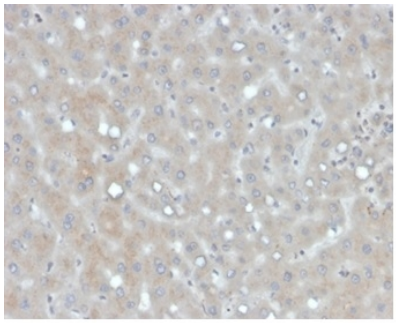
Product Images for Apolipoprotein B / APOB Antibody



SDS-PAGE Analysis of Purified Apolipoprotein B Mouse Monoclonal Antibody (APOB/4335). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteins using Apolipoprotein B-Monospecific Mouse Monoclonal Antibody (APOB/4335). 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.



Formalin-fixed, paraffin-embedded human liver stained with Apolipoprotein B Mouse Monoclonal Antibody (APOB/4335).

Specificity & Comments

Post-transcriptional editing of apolipoprotein B (apoB) mRNA is regulated byAPOBEC1 (also designated human (or rat) small intestinal apolipoprotein B mRNA editing protein, HEPR or REPR) in hepatic cells to achieve a steady state proportion of edited and unedited RNA molecules. Two forms of apoB are known to circulate in the plasma of mammals. ApoB-100 is a protein primarily synthesized in the liver as a structural component of very low density lipoprotein particles. A truncated form of apoB-100, apoB-48, is synthesized in the small intestine and contains the amino-terminal 2,152 amino acids of the larger protein. This organ-specific partitioning of apoB production is the result of RNA editing of a common apoB gene.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% 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.