Human α1-Acid Glycoprotein Antibody

Monoclonal Mouse IgG_{2A} Clone # 386131

Catalog Number: MAB3694

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human α1-Acid Glycoprotein in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG_{2A} Clone # 386131
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human plasma-derived α1-Acid Glycoprotein Accession # P02763
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

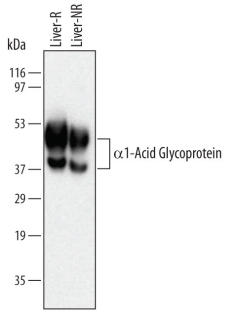
APPLICATIONS

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.*

	Recommended Concentration	Sample
Western Blot	2 µg/mL	See Below
Immunohistochemistry	8-25 µg/mL	See Below

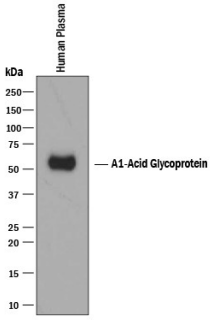
DATA

Western Blot



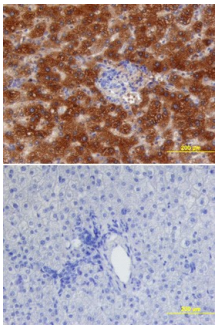
Detection of Human α1-Acid Glycoprotein by Western Blot. Western blot shows lysates of human liver tissue. PVDF Membrane was probed with 2 µg/mL of Mouse Anti-Human α1-Acid Glycoprotein Monoclonal Antibody (Catalog # MAB3694) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). Specific bands were detected for α1-Acid Glycoprotein at approximately 40-50 kDa (as indicated). This experiment was conducted under reducing and non-reducing conditions and using Immunoblot Buffer Group 1.

Western Blot



Detection of Human α1-Acid Glycoprotein by Western Blot. Western blot shows lysates of human plasma. PVDF Membrane was probed with 2 µg/mL of Mouse Anti-Human α1-Acid Glycoprotein Monoclonal Antibody (Catalog # MAB3694) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for α1-Acid Glycoprotein at approximately 55 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Immunohistochemistry



α1-Acid Glycoprotein in Human Liver.
α1-Acid Glycoprotein was detected in immersion fixed paraffin-embedded sections of human liver using Mouse Anti-Human α1-Acid Glycoprotein Monoclonal Antibody (Catalog # MAB3694) at 25 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Lower panel shows a lack of labeling if primary antibodies are omitted and tissue is stained only with secondary antibody followed by incubation with detection reagents. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.

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. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

α1-Acid Glycoprotein (AGP-1), also known as orosomucoid-1, is an acute phase protein secreted by the liver. Serum AGP-1 levels are elevated during inflammatory responses. AGP-1 binds a wide range of molecules in the circulation. Human and mouse AGP-1 share 43% amino acid sequence identity.

bio-techne®
Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449