

## Product Datasheet

### A2M Antibody (orb344187)

<b>Catalog Number</b>	orb344187
<b>Category</b>	Antibodies
<b>Description</b>	Alpha-2-Macroglobulin antibody
<b>Target</b>	A2M
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Goat
<b>Isotype</b>	IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Form/Appearance</b>	Liquid (sterile filtered)
<b>Concentration</b>	1.0 mg/ml
<b>Buffer/Preservatives</b>	Preservative: 0.01% (w/v) Sodium Azide. Stabilizer: None; Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Purity</b>	Anti-alpha-2-MACROGLOBULIN is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum as well as purified and partially purified a2-Macroglobulin [Human Plasma]. Cross reactivity against a2-Macroglobulin from other sources is unknown.
<b>Immunogen</b>	a2-Macroglobulin [Human Plasma]

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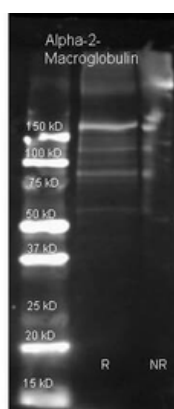
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<b>UniProt ID</b>	<b>P01023</b>
<b>Tested applications</b>	ELISA, WB
<b>Dilution range</b>	ELISA: 1:80,000 - 1:400,000, WB: 1:2,000 - 1:20,000
<b>Application notes</b>	Anti-alpha-2-macroglobulin antibody has been tested by western blot and is suitable for ELISA and Immunohistochemistry applications. Anti-alpha-2-MACROGLOBULIN antibody should be optimized by the end user for the specific reactive conditions.
<b>Antibody Type</b>	Primary Antibody
<b>Storage</b>	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
<b>Dry Ice Shipping</b>	<b>Please note: This product requires shipment on dry ice. A dry ice surcharge will apply.</b>
<b>Note</b>	For research use only
<b>NCBI</b>	<b>NP_000005.2</b>
<b>Expiration Date</b>	12 months from date of receipt.



Biorbyt Goat anti Alpha-2-Macroglobulin antibody was used to detect Alpha-2-Macroglobulin under reducing (R) and non-reducing (NR) conditions. Reduced samples of purified target proteins contained 4% BME and were boiled for 5 minutes. Samples of ~1 µg of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with 1:3000 dilution of primary antibody (ON 4 C in orb348637). Detection shown was using Dylight 649 conjugated Donkey anti goat (1:10K in TBS/orb348637) 1 hr RT.

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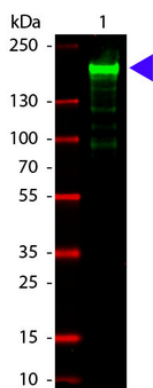
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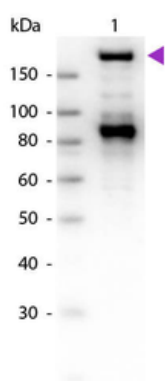
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Western Blot of Goat anti-Alpha-2-Macroglobulin Antibody. Lane 1: Alpha-2-Macroglobulin. Lane 2: none. Load: 100 ng per lane. Primary antibody: Alpha-2-Macroglobulin antibody at 1:1000 for overnight at 4°C. Secondary antibody: DyLight™ 800 goat secondary antibody at 1:20000 for 30 min at RT. Block: orb348637 for 30 min at RT. Predicted/Observed size: 163 kDa, 178 kDa for Alpha-2-Macroglobulin. Other band(s): Alpha-2-Macroglobulin splice variants and isoforms.



Western Blot of Goat Anti-Alpha-2-Macroglobulin antibody. Lane 1: Alpha-2-Macroglobulin. Lane 2: None. Load: 50 ng per lane. Primary antibody: Alpha-2-Macroglobulin antibody at 1:1000 overnight at 4°C. Secondary antibody: Peroxidase goat secondary antibody at 1:40000 for 30 min at RT. Block: orb348637 for 30 min at RT. Predicted/Observed size: 163 kDa, 163 kDa for Alpha-2-Macroglobulin. Other band(s): Alpha-2-Macroglobulin splice variants and isoforms.

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