

Product Datasheet

A2M Antibody (orb344186)

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| Catalog Number | orb344186 |
| Category | Antibodies |
| Description | Alpha-2-Macroglobulin antibody |
| Target | A2M |
| Clonality | Polyclonal |
| Species/Host | Goat |
| Isotype | IgG |
| Conjugation | Unconjugated |
| Reactivity | Human |
| Form/Appearance | Lyophilized |
| Concentration | 1.0 mg/ml |
| Buffer/Preservatives | Preservative: 0.01% (w/v) Sodium Azide. Stabilizer: None; Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| Purity | 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. |
| Immunogen | a2-Macroglobulin [Human Plasma] |

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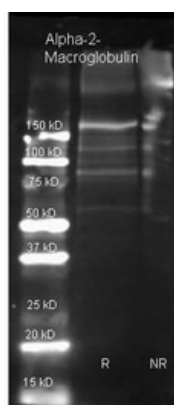
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|----------------------------|---|
| UniProt ID | P01023 |
| Tested applications | ELISA, WB |
| Dilution range | ELISA: 1:80,000 - 1:400,000, WB: 1:2,000 - 1:20,000 |
| Application notes | Anti-alpha-2-macroglobulin antibody has been tested by western 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. |
| Antibody Type | Primary Antibody |
| Storage | Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |
| Note | For research use only |
| NCBI | NP_000005.2 |
| Expiration Date | 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 ug 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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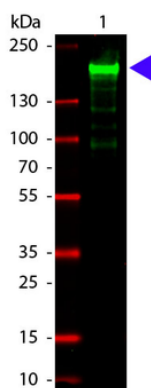
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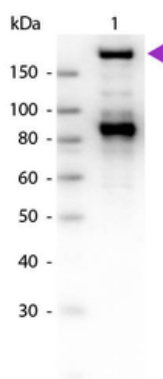
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Western Blot of Goat anti-Alpha-2-Macroglobulin Antibody. Lane 1: Alpha-2-Macroglobulin. Lane 2: none. Load: 100 ng per lane. Primary antibody: Alpha-2-Macroglobulin antibody at 1:1000 for overnight at 4°C. Secondary antibody: DyLight™ 800 goat secondary 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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