

Human α₂-Macroglobulin Antibody

Monoclonal Mouse IgG₁ Clone # 257303 Catalog Number: MAB19381

DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human α ₂ -Macroglobulin in direct ELISA, this antibody does not cross-react with rhC5a or rmC5a.
Source	Monoclonal Mouse IgG ₁ Clone # 257303
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human plasma-derived α ₂ -Macroglobulin
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

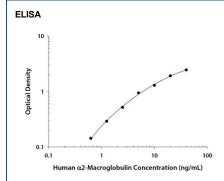
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

ELISA

This antibody functions as an ELISA capture antibody when paired with Goat Anti-Human α_2 -Macroglobulin Biotinylated Antigen Affinity-purified Polyclonal Antibody (Catalog # BAF1938).

This product is intended for assay development on various assay platforms requiring antibody pairs. We recommend the Human alpha 2-Macroglobulin DuoSet ELISA Kit (Catalog # DY1938) for convenient development of a sandwich ELISA.

DATA



Human α_2 -Macroglobulin **ELISA Standard Curve.** Recombinant Human α2-Macroglobulin protein was serially diluted 2-fold and captured by Mouse Anti-Human α₂-Macroglobulin Monoclonal Antibody (Catalog # MAB19381) coated on a Clear Polystyrene Microplate (Catalog # DY990). Goat Anti-Human α2-Macroglobulin Biotinylated Antigen Affinity-purified Polyclonal Antibody (Catalog # BAF1938) was incubated with the protein captured on the plate. Detection of the standard curve was achieved by incubating Streptavidin-HRP (Catalog # DY998) followed by Substrate Solution (Catalog # DY999) and stopping the enzymatic reaction with Stop Solution (Catalog # DY994).

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

Alpha 2-macroglobulin (A2M) is a general and irreversible protease inhibitor implicated in many processes. It is able to inhibit all four classes of proteases by a unique trapping mechanism.

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