

DESCRIPTION

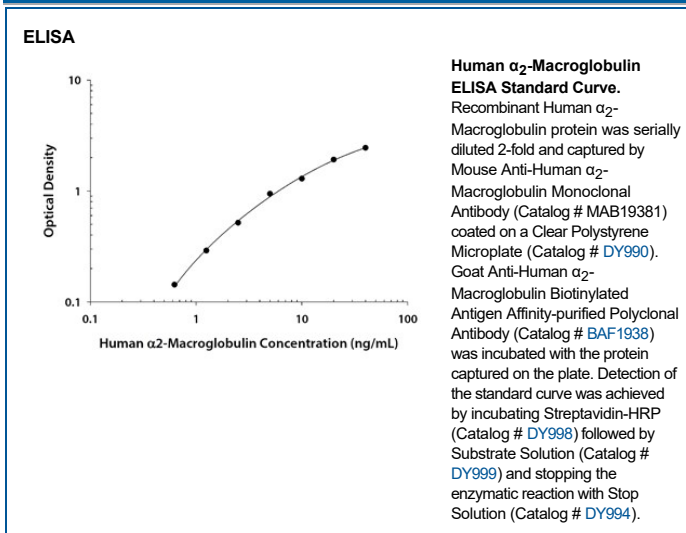
Species Reactivity	Human
Specificity	Detects human α_2 -Macroglobulin in direct ELISA, this antibody does not cross-react with rhC5a or rmC5a.
Source	Monoclonal Mouse IgG ₁ Clone # 257303
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human plasma-derived α_2 -Macroglobulin
Formulation	Lyophilized from a 0.2 μ m 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 μ m 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	<p>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).</p> <p>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.</p>
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DATA



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	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> • 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.