

## Product Specification Sheet

**Product:** IgG fraction of anti- $\alpha_2$ -Macroglobulin [Human Plasma] [Goat]

**Code:** 200-101-207

**Lot #** 6572

**Size:** 50 mg

**Physical State:** Lyophilized

**Antibody Concentration:** 10.0 mg/ml (by UV absorbance at 280 nm)

**Buffer:** 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

**Stabilizer:** None

**Preservative:** 0.01% (w/v) Sodium Azide

**Application(s):** Suitable for immunoblotting (western or dot blot), ELISA, immunoprecipitation, conjugation and most immunological methods requiring high titer and specificity.

**Recommended Dilution(s):** This product has been assayed against 1.0 ug of  $\alpha_2$ -Macroglobulin [Human Plasma] in a standard sandwich ELISA using Peroxidase conjugated Affinity Purified anti-Goat IgG [H&L] (Goat) code #611-1302 and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:40,000 to 1:200,000 of the reconstitution concentration is suggested for this product. Optimal titers for other applications should be determined by the researcher.

**Storage Conditions:** Store vial at 4° C prior to restoration. Restore with 5.0 ml of deionized water (or equivalent). 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. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of restoration.

**Purity and Specificity:** This product 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  $\alpha_2$ -Macroglobulin [Human Plasma]. Cross reactivity against  $\alpha_2$ -Macroglobulin from other sources is unknown.

**Immunogen:**  $\alpha_2$ -Macroglobulin [Human Plasma]

**Note:** This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.