

Anti-Human α 2-Macroglobulin (Goat) Affinity-Purified IgG, 0.50 mg



Ref#: GAA2M-AP
Lot#: xxxxxx
Exp. Date: xxxx-xx

Store at -10 to -20°C

For Research Use Only
Not for Use in Diagnostic Procedures
For *in vitro* use only

Immunogen:	Human α 2-Macroglobulin (from human plasma)
Format:	Affinity-purified IgG in 10 mM HEPES, pH 7.4, 150 mM NaCl, 50% (v/v) glycerol
Host:	Goat
Storage:	Store between -10 and -20°C. Vial should be tightly capped. Do not store in frost-free freezers. Allow product to warm to room temperature and gently mix before use
Total Protein:	0.50 mg
Applications:	Suitable as a source of enriched antibodies For Research Use Only. Not for Use in Diagnostic Procedures. For <i>in vitro</i> use only
Volume:	1 vial containing 0.250 mL anti-human, affinity purified IgG
Concentration:	2 mg/mL affinity-purified IgG by absorbance; Extinction Coefficient $E^{1\%}_{280} = 13.4$
Specificity:	Specificity demonstrated by immunoelectrophoresis and ELISA methods
Neutralizing Activity:	Not Determined

α 2-Macroglobulin with a molecular weight of 718 kDa is found in normal plasma at a concentration of 220-230 mg/dL. α 2-Macroglobulin and protease/ α 2-Macroglobulin complexes are increased in patients with sepsis, emphysema, rheumatoid arthritis, and other inflammatory diseases. It has been implicated as a genetic risk factor for late-onset Alzheimer's disease. α 2-Macroglobulin enhances the clearance of soluble a/b-amyloid via low-density lipoprotein receptor-related protein in cortical neurons, but has no effect on secreted or full-length amyloid precursor protein levels. α 2-Macroglobulin accounts for approx. 50% of the anti-thrombin activity in plasma.