

Anti-Human α 2-Macroglobulin, Goat

Affinity Purified, Peroxidase Conjugated IgG, 0.1 mg



Ref#: GAA2M-APHRP

Lot#: xxxxxx

Exp. Date: xxxx-xx

Store at -10 to -20°C

For Research Use Only

Not for Use in Diagnostic Procedures

Immunogen:	Human α 2-Macroglobulin (from human plasma)
Format:	Affinity purified and peroxidase conjugated IgG in a buffered stabilizer solution containing 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 Avoid exposure to sodium azide as this is an inhibitor of peroxidase activity
Total Protein:	0.10 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 0.10 mL of affinity purified IgG conjugated to horseradish peroxidase (HRP) through carbohydrate groups
Concentration:	1.00 mg/mL affinity purified IgG-HRP by Absorbance; Extinction Coefficient $E^{1\%}_{280} = 14.0$
Specificity:	Prior to conjugation, this antibody was specific for plasminogen as demonstrated by immunoelectrophoresis and direct ELISA
Reinheitszahl (A403/A280):	0.29 as determined spectrophotometrically

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.