

A2m

Native Mouse Alpha-2-Macroglobulin

Catalog No.	CSI19614A	Quantity:	100 µg
	CSI19614B		1.0 mg

Alternate Names: Alpha-2-macroglobulin-P, Alpha-2-macroglobulin, alpha macroglobulin, M-AMG

Description: Mouse Alpha-2-Macroglobulin (A2M) is a serum protease inhibitor that consists of two major polypeptides with molecular weights of approximately 163 kDa and 35 kDa together with a minor polypeptide of 185 kDa. A2M is able to inactivate an enormous variety of proteinases (including serine-, cysteine-, aspartic-, and metalloproteinases). A2M uses a bait region to bind proteinases. The proteinase-A2M complex is recognized by macrophage receptors and cleared from the system. A2M function as an inhibitor of coagulation by inhibiting thrombin. A2M also functions as an inhibitor of fibrinolysis by inhibiting plasmin and kallikrein.

UniProt ID: Q6GQT1

Concentration: 1-5 mg/ml (Bradford assay with BSA standard), lot specific

Source: Mouse Serum

Formulation: 150 mM NaCl, 10 mM sodium phosphate, 0.09% sodium azide, pH 7.2

Purity: ≥95% by SDS-PAGE, major bands at ~163kDa and ~35 kDa and a minor band at 185 kDa on a reducing gel

Purification: Combination of affinity chromatography, gel filtration, ion exchange chromatography

Handling: **Centrifuge vial briefly to consolidate the product before opening.**

Storage & Stability: Store at -20°C to -80°C for up to 1 year. Upon initial thaw, prepare aliquots and store at -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**

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