## cellsciences.com

## A<sub>2</sub>M

## Native Human Alpha-2-Macroglobulin

Catalog No. CRA115B Quantity: 1.0 mg

CRA115C 10 mg

Alternate Names: Alpha-2-macroglobulin, Alpha-2-M, C3 and PZP-like alpha-2-macroglobulin domain-

containing protein 5

**Description:** A major serum protein found at concentrations of 240 mg per 100 ml in men and 290 mg

per 100 ml in women. Multifunctional, it promotes growth of mammalian cells in culture, stimulates the regeneration of lymphocytes in irradiated mice, possesses a transport function for zinc and is a protease inhibitor that controls the clotting and fibrinolytic system. Clinically levels are increased in liver cirrhosis, nephrotic syndrome, diabetes,

and severe burn cases.

UniProt ID: P01023

Gene ID: 2

Source: Human Plasma

**Molecular Weight:** 725 kDa (180 MW subunits) homotetramer

**Formulation:** Lyophilized from 30 mM Sodium Phosphate, pH 7.0 containing glycine as a stabilizer

**Purity:** >95% pure by SDS-PAGE.

**Volume:** Lot specific volume, prior to lyophilization

**Extinction Coefficient:**  $E^{0.1\%}_{280nm} = 0.81$ 

**Reconstitution:** Centrifuge vial prior to opening. Prepare the original volume with deionized water.

Stable at 2-8°C for shipping. Store at -80°C for up to 1 year. Upon initial thaw, prepare

working aliquots and store at -80°C. Avoid repeated freeze-thaw cycles.

**Certification:** Purified from Human Plasma that was tested and found

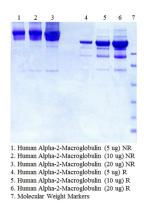
negative for HIV-1/2, HIV-1 antigen(s), HBsAg, STS, antiHCV, anti-HBcore and anti-

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HTLV I & II



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