



## RayBiotech, Inc.

3607 Parkway Lane suite 200  
Norcross, GA 30092  
Tel: 770-729-2992, 1-888-494-8555  
Fax: 770-206-2393  
Website: [www.raybiotech.com](http://www.raybiotech.com)  
Email: [info@raybiotech.com](mailto:info@raybiotech.com)

# Certificate of Analysis and Data Sheet NATIVE HUMAN ALPHA 2 MACROGLOBULIN

**Catalog No.**  
DS-01-0016

**Target Species**  
Human

## Formulation

**Product Form:** Purified alpha-2-macroglobulin from human serum - liquid

**Buffer Solution:** TRIS buffered saline

**Preservative Stabilizers:** 0.1M Sucrose

**Approx. Protein Concentrations:** Total protein concentration 1.0 mg/ml

**Molecular Weight:** 725 kDa

**Purity:** >96% by SDS PAGE

## Description

Alpha-2-Macroglobulin, also known as a2-macroglobulin and abbreviated as a2M and A2M, is a tetrameric glycoprotein produced in the liver and found in blood. It is involved in proteinase inhibition via a unique "trapping" mechanism.

## Applications

Table Summary of protein applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	•			

**Note:** Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

## Storage

Store at -20°C only.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein.

## Reference

1. Barret, A. J. et al. (1981) Alpha 2-macroglobulin. Methods Enzymol 80: 737-754.

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**