

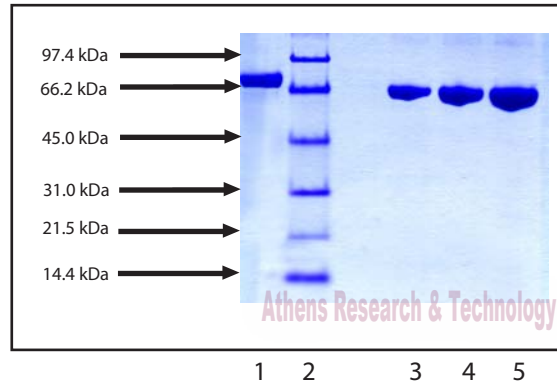
# Athens Research & Technology

110 Trans Tech Drive Athens, GA 30601 USA  
PHONE: 706-546-0207 • FAX: 706-546-7395 • EMAIL: ARTBIO@ATHENSRESEARCH.COM  
www.athensresearch.com

## Gel Scan of Representative Lot

### Apotransferrin, Human Plasma, Tissue Culture Grade

ART Catalog No. 16-16-A32001-LEL



#### SDS-PAGE:

4 - 12% Bis-Tris NuPAGE gel

1. Apotransferrin-TC - 5  $\mu$ g (reduced / heated)
2. LMW Standard (BIO-RAD Cat. No. 161-0304)
3. Apotransferrin-TC - 5  $\mu$ g (non-reduced / no heat)
4. Apotransferrin-TC - 10  $\mu$ g (non-reduced / no heat)
5. Apotransferrin-TC - 20  $\mu$ g (non-reduced / no heat)

**Molecular Weight:** 80,000

#### Protein Determination:

Biuret Method

#### Iron Content:

<30  $\mu$ g per gram

#### Endotoxin Level:

<0.1 Eu per mg by LAL testing,  
sterile filtered using 0.2 micron filter

#### Physical Specifications:

Lyophilized

Purity:  $\geq$  95% by SDS-PAGE

#### Considerations:

Storage Conditions: Store -20° C

Stability: > 1 year

Buffer: 10 mM Na phosphate, pH 7.4,

Virginia B. Patel PhD

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## Product Datasheet

Product:	Apotransferrin, Human Plasma, Tissue Culture Grade
Catalog Number:	16-16-A32001-LEL
Description:	Lyophilized
Buffer:	10 mM Na phosphate, pH 7.4
Endotoxin Level:	<0.1 Eu per mg by LAL testing, sterile filtered using 0.2 micron filter
Purity:	>=95% by SDS-PAGE
Iron Content:	<30 µg per gram
Molecular Weight:	MW 80,000
Protein Determination:	Biuret Method
Storage:	<= -20°C
Stability:	> 1 Year
Available Packaging:	100 mg per vial and 1 gram Larger aliquots upon request
Source:	Human Plasma
Testing:	Shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.

**Athens Research & Technology products are laboratory reagents and are not to be administered to humans or used for any drug purpose.  
For research or further manufacturing use only.**

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ISO9001:2008

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## Certificate Of Origin

Product Name:	Apotransferrin, Human Plasma
Catalog Number:	16-16-A32001
Lot Number:	Information applies to all lots produced.
Manufacturing Information:	The methods and controls used in this facility for manufacturing, processing, packaging and holding of our products are in accordance with ISO9001:2008 Quality Management System.
Manufacturing Site:	Athens Research & Technology Inc., Athens, Georgia, USA
Raw Material Information:	The product contains no materials directly of animal origin and has not been in contact with products of animal origin in the course of its purification.
Country of Origin (manufacturing):	United States
Biological Source Material (COO):	United States
Donor Consent:	The raw material used in the purification of this product has been obtained from an FDA licensed collection center. Further the donor or the donor's next of kin has given by signature full informed consent for the material to be used in commercial scientific research, including the sharing, transferring, or selling of samples to third parties involved in this research. The raw material was obtained in an ethical manner in full compliance with national legislation, and the donor identity is held as confidential information by the licensed collection center.

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