

Datasheet: 0640-5604

Description:	NATIVE HUMAN ALPHA 1 ANTITRYPSIN
Name:	ALPHA 1 ANTITRYPSIN
Format:	Purified
Product Type:	Antigen
Quantity:	2 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified alpha 1 antitrypsin from human serum - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	2.0 mg/ml
External Database Links	<p>UniProt: P01009 Related reagents</p> <p>Entrez Gene: 5265 SERPINA1 Related reagents</p>
Synonyms	AAT, PI

Product Information Alpha 1 antitrypsin (A1AT) is a glycoprotein of MW 54 kDa with a pI of 4.8. It is a serine

protease inhibitor that acts to limit the amount of cell damage and death at the tissue site. Different isoenzymes exist which together form the Protease inhibitor system. Phenotype M is the most common and certain variants (S and Z) are associated with A1AT deficiency which can lead to emphysema and liver disease.

Protein Molecular Weight

54 kDa

Purity

SDS PAGE: >96%

Identity was confirmed by radial immunodiffusion, SDS-PAGE and cellulose acetate electrophoresis.

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. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10209 available at:

<https://www.bio-rad-antibodies.com/SDS/0640-5604>

10209

Donor material tested and found negative for HIV1 and 2 antibodies, HBsAg and HCV antibodies.

As no test can completely guarantee this material to be free of pathogens it should be handled as potentially infectious

Regulatory

For research purposes only

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

'M426252:231207'

Printed on 18 Jan 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)