

Datasheet: 0640-5604

BATCH NUMBER 173085

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| 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.

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|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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>

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

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M426252:231207'

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