

Product datasheet for **AM26399PU-L**

alpha 1 Antitrypsin (SERPINA1) Mouse Monoclonal Antibody [Clone ID: 9F2]

Product data:

| | |
|------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | 9F2 |
| Applications: | ELISA, WB |
| Recommended Dilution: | Western blot: Detect α 1-antitrypsin (AAT) using mAb 9F2 at 1:5000 dilution (0.2 μ g/mL). ELISA. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Human plasma derived α 1-antitrypsin |
| Specificity: | This antibody with Human Alpha-1-antitrypsin. |
| Formulation: | 0.01M PBS pH7.2 State: Aff - Purified State: Lyophilized Ig fraction |
| Reconstitution Method: | Double distilled water is recommended to adjust the final concentration to 1.00 mg/ml. |
| Purification: | Protein G affinity purified |
| Conjugation: | Unconjugated |
| Storage: | Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | serpin family A member 1 |
| Database Link: | Entrez Gene 5265 Human P01009 |



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Background:

Alpha-1-antitrypsin (AAT) is a protective protease inhibitor. It inhibits elastase released by neutrophils during inflammatory reaction and irreversibly inactivates trypsin secreted in duodenum and elsewhere. α 1-antitrypsin normally presents in plasma at 1.5-3.5 mg/mL, but increases in acute phase reaction, malignancies, pregnancy and trauma. Severe hereditary α 1-antitrypsin deficiency can result in damages to alveoli, chronic obstructive pulmonary disease (COPD), and liver diseases such as jaundice and cirrhosis. The protein is also found in the neurofibrillary tangles and senile plaques in the brain lesions of Alzheimer's disease, and has been suggested to contribute to the pathology of Alzheimer's disease.

Synonyms:

SERPINA1, AAT

Product images:

Western blot - α 1-antitrypsin(α 1 AAT) antibody (9F2)



Detect α -antitrypsin (α AAT) using antibody 9F2 at 1:5000 dilution

1&2 α 1-antitrypsin(α 1 AAT) 20ng/well