

SERPINA1 monoclonal antibody, clone 703

Catalog # MAB4115

Size 1 mg

Specification

Product Description	Mouse monoclonal antibody raised against native SERPINA1.
Immunogen	Native purified SERPINA1 from human serum.
Host	Mouse
Reactivity	Human
Specificity	Alpha-1-antitrypsin. Does not cross react with alpha-1-antichymotrypsin.
Form	Liquid
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4
Storage Instruction	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — SERPINA1

Entrez GeneID	5265
Gene Name	SERPINA1
Gene Alias	A1A, A1AT, AAT, MGC23330, MGC9222, PI, PI1, PRO2275

Gene Description	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1
Omim ID	107400 606963
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is secreted and is a serine protease inhibitor whose targets include elastase, plasmin, thrombin, trypsin, chymotrypsin, and plasminogen activator. Defects in this gene can cause emphysema or liver disease. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]
Other Designations	protease inhibitor 1 (anti-elastase), alpha-1-antitrypsin serine (or cysteine) proteinase inhibitor, clade A, member 1 serine proteinase inhibitor, clade A, member 1

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Abortion](#)
- [Acute Disease](#)
- [Acute-Phase Reaction](#)
- [Adenocarcinoma](#)
- [Airway Obstruction](#)
- [alpha 1-Antitrypsin Deficiency](#)
- [Alpha-1-antitrypsin deficiency](#)
- [Aortic Stenosis](#)
- [Arterial Occlusive Diseases](#)
- [Asbestosis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Bacterial Infections](#)
- [Brain Ischemia](#)

- [Bronchiectasis](#)
- [Bronchitis](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery](#)
- [Cerebrovascular Accident](#)
- [Chronic Disease](#)
- [Cluster Headache](#)
- [Colonic Neoplasms](#)
- [Common Variable Immunodeficiency](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Stenosis](#)
- [Cough](#)
- [Cystic fibrosis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Dyspnea](#)
- [Edema](#)
- [Emphysema](#)
- [Fatty Liver](#)
- [Fetal Death](#)
- [Fibromuscular Dysplasia](#)
- [Gaucher disease](#)

- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Hepatitis C](#)
- [Hereditary hemochromatosis](#)
- [HIV Infections](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Immunologic Deficiency Syndromes](#)
- [Inflammation](#)
- [Iron Overload](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Liver Neoplasms](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Mycobacterium Infections](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Nasal Polyps](#)
- [Occupational Diseases](#)
- [Pancreatitis](#)
- [Penile Induration](#)
- [Periodontitis](#)
- [Peripheral Vascular Diseases](#)
- [Pneumonia](#)

- [Pregnancy Complications](#)
- [Pseudomonas Infections](#)
- [Pulmonary Disease](#)
- [Pulmonary Emphysema](#)
- [Recurrence](#)
- [Respiratory Tract Infections](#)
- [Rhinitis](#)
- [Sarcoidosis](#)
- [Scoliosis](#)
- [Sinusitis](#)
- [Smoke Inhalation Injury](#)
- [Thromboembolism](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)
- [Venous Thrombosis](#)
- [Vertebral Artery Dissection](#)
- [Williams Syndrome](#)