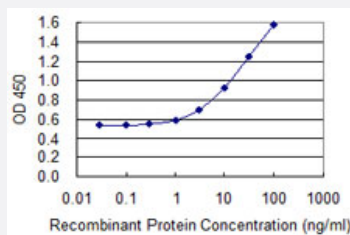


SERPINA3 monoclonal antibody (M04), clone 3F5

Catalog # H00000012-M04

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SERPINA3 is 0.3 ng/ml as a capture antibody.

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant SERPINA3.

Immunogen

SERPINA3 (AAH10530, 1 a.a. ~ 423 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MERMLPLLALGLLAAGFCPAVLCHPN SPLDEENLTQENQDRGTHVDLGLASANVDFAFSLYKQL
VLKAPDKNVIFSP LSISTALAFSLGAHNTTLTEILKGLKFNL TETSEAEIHQS FQHLLRTL NQSSDEL
QLSMGNAMFVKEQLSLLDRFTEDAKRLYGSEAFATDFQDSAAAKKLINDYVKN GTRGKITDLIKDL
DSQTMMLVLVNYIFFKAKWEMPFD PQDTHQSRFYL SKKKWVMVPMMSLHHL TIPYFRDEELSCTV
VELKYTGNASALFILPDQDKMEEVEAMLLPETLRRWRDSLEFREIGELYLPKFSISR DYNLNDILLQ
LGIEEAFTSKADLSGITGARNLAVSQVVHKA VLDFEEGTEASAATAVKITLLSALVETR TIVRFNRP
FLMIVPTDTQNIFFMSKVTNPKQA

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (58); Rat (61)

Isotype

IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SERPINA3 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SERPINA3

Entrez GeneID[12](#)**GeneBank Accession#**[BC010530](#)**Protein Accession#**[AAH10530](#)**Gene Name**

SERPINA3

Gene Alias

AACT, ACT, GIG24, GIG25, MGC88254

Gene Description

serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3

Omim ID[107280](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a plasma protease inhibitor and member of the serine protease inhibitor class. Polymorphisms in this protein appear to be tissue specific and influence protease targeting. Variations in this protein's sequence have been implicated in Alzheimer's disease, and deficiency of this protein has been associated with liver disease. Mutations have been identified in patients with Parkinson disease and chronic obstructive pulmonary disease. [provided by RefSeq]

Other Designations

alpha-1-antichymotrypsin|antichymotrypsin|growth-inhibiting protein 24|growth-inhibiting protein 25|serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3|serine (or cysteine) proteinase inhibitor, clade A, memb

Publication Reference

- [Proteomic analysis of human Epithelial Lining Fluid by microfluidics-based nanoLC-MS/MS: a feasibility study.](#)

Franciosi L, Govorukhina N, Fusetti F, Poolman B, Lodewijk ME, Timens W, Postma D, ten Hacken N, Bischoff R.

Electrophoresis 2013 Sep; 34(18):2683.

Application: IHC, Human, Lung

Disease

- [Acute Disease](#)
- [alpha 1-Antitrypsin Deficiency](#)
- [Alpha-1-antitrypsin deficiency](#)
- [Alzheimer disease](#)
- [Aneurysm](#)
- [Asthma](#)
- [Brain Ischemia](#)
- [Bronchial Hyperreactivity](#)
- [Cardiovascular Diseases](#)
- [Cerebral Amyloid Angiopathy](#)
- [Cerebral Hemorrhage](#)
- [Cerebrovascular Accident](#)
- [Chronic Disease](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Cystic fibrosis](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)

- [Edema](#)
- [Encephalitis](#)
- [Genetic Predisposition to Disease](#)
- [Hemorrhage](#)
- [Hypercholesterolemia](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Inflammation](#)
- [Intracranial Aneurysm](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Macular Degeneration](#)
- [Mental Status Schedule](#)
- [Metabolic Syndrome X](#)
- [Multiple System Atrophy](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Myositis](#)
- [Neoplasms](#)
- [Neuropsychological Tests](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Pancreatitis](#)
- [Parkinson disease](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)

- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Pulmonary Emphysema](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Vasculitis](#)
- [Wegener Granulomatosis](#)