

Product datasheet for **CF500455**

Antithrombin III (SERPINC1) Mouse Monoclonal Antibody [Clone ID: OTI8D5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI8D5
Applications:	FC, WB
Recommended Dilution:	FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human SERPINC1 (NP_000479) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	52.6 kDa
Gene Name:	serpin family C member 1
Database Link:	NP_000479 Entrez Gene 11905 MouseEntrez Gene 304917 RatEntrez Gene 462 Human P01008
Background:	Most important serine protease inhibitor in plasma that regulates the blood coagulation cascade. AT-III inhibits thrombin as well as factors IXa, Xa and XIa. Its inhibitory activity is greatly enhanced in the presence of heparin.



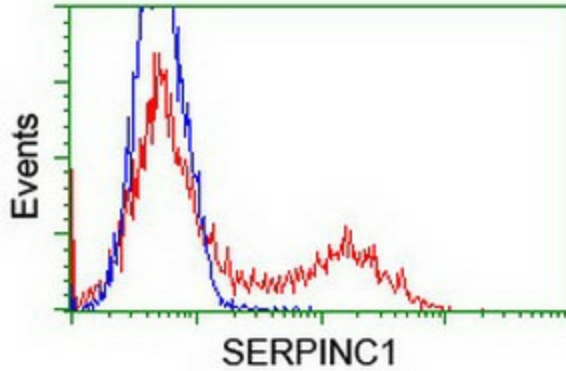
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Synonyms: AT3; AT3D; ATIII; THPH7

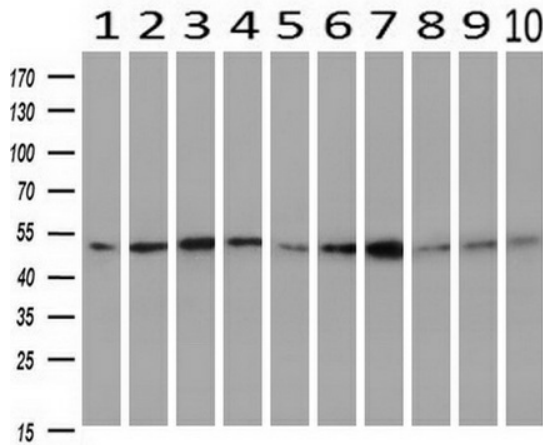
Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Complement and coagulation cascades

Product images:



HEK293T cells transfected with either [RC222845] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-SERPINC1 antibody ([TA500455]), and then analyzed by flow cytometry.



Western blot analysis of extracts (10ug) from 10 Human tissue by using anti-SERPINC1 monoclonal antibody at 1:500 (1: Testis; 2: Omentum; 3: Uterus; 4: Breast; 5: Brain; 6: Liver; 7: Ovary; 8: Thyroid gland; 9: colon; 10: spleen).