

Mouse anti-Human SERPINB1 Monoclonal Antibody | anti-SerpinB1 antibody

Anti-SERPINB1 Antibody, Mouse Monoclonal

CATALOG # AAA255595	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

SERPINB1; Monoclonal Antibody; Anti-SERPINB1 Antibody; Mouse Monoclonal; SerpinB1/ELANH2 Antibody; Mouse MAb; serpin peptidase inhibitor; clade B (ovalbumin); member 1; Anti-EI Antibody; Anti-ELANH2 Antibody; Anti-HEL-S-27 Antibody; Anti-HEL57 Antibody; Anti-LEI Antibody; Anti-M/NEI Antibody; Anti-MNEI Antibody; Anti-PI-2 Antibody; Anti-PI2 Antibody; anti-SerpinB1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	05
Specificity	Human SerpinB1/ELANH2
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SerpinB1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Recombinant Human SerpinB1/ELANH2 protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human SerpinB1/ELANH2 (rh SerpinB1/ELANH2). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

SERPINB1 was immunoprecipitated using: Lane A: 0.5 mg 293T Whole Cell Lysate, 0.5 uL anti-SERPINB1 mouse monoclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-SERPINB1 mouse monoclonal antibody, at 1:500 dilution. Secondary antibody: DyLight 800-labeled antibody to Mouse IgG (H+L), at 1:7500 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 43 kDa. Observed band size: 43 kDa.



WB (Western Blot)

Anti-SERPINB1 mouse monoclonal antibody at 1:500 dilution. Lane A: NCI-H460 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Mouse IgG H&L (DyLight 800) at 1/15000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 43 kDa. Observed band size: 43 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SerpinB1 antibody	SerpinB1 is an endogenous inhibitor of serine proteases recognized for its anti-inflammatory and host-protective properties. Serum SerpinB1 levels are elevated in patients with type 2 diabetes compared with that in healthy subjects and are negatively correlated with serum LDL-C. serpinB1 as an endogenous protein that can potentially be harnessed to enhance functional beta cell mass in patients with diabetes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13489087
NCBI GeneID	1992
NCBI Accession #	NP_109591.1
NCBI GenBank Nucleotide #	NM_030666.3
UniProt Accession #	P30740; Q53FB9; Q5W0E1; Q9UDF8; A8K5L2
Molecular Weight	42,742 Da
NCBI Official Full Name	leukocyte elastase inhibitor
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade B (ovalbumin), member 1
NCBI Official Symbol	SERPINB1
NCBI Official Synonym Symbols	EI; LEI; PI2; MNEI; PI-2; HEL57; M/NEI; ELANH2
NCBI Protein Information	leukocyte elastase inhibitor; peptidase inhibitor 2; epididymis luminal protein 57; protease inhibitor 2 (anti-elastase), monocyte/neutrophil derived; serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 1
UniProt Protein Name	Leukocyte elastase inhibitor
UniProt Gene Name	SERPINB1
UniProt Synonym Gene Names	ELANH2; MNEI; PI2; LEI; EI; M/NEI; PI-2
UniProt Entry Name	ILEU_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/serpinb1-antibody-clone-05-immunoprecipitation-western-blot-elisa/255595>