

Human Serpin B8/Proteinase Inhibitor 8 Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF4158

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Serpin B8/Proteinase Inhibitor 8 in direct ELISAs and Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant mouse Serpin B8 is observed and less than 2% cross-reactivity with recombinant human (rh) Serpin B6, rhSerpin B9, and rhSerpin A5 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human Serpin B8/Proteinase Inhibitor 8 Asp2-Pro374 Accession # P50452
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human Serpin B8/Proteinase Inhibitor 8
Immunoprecipitation	25 µg/mL	Conditioned cell culture medium spiked with Recombinant Human Serpin B8/Proteinase Inhibitor 8, see our available Western blot detection antibodies

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Serpin B8 (serine proteinase inhibitor-clade B #8; also PI8) is a 42-45 kDa, cytoplasmic and secreted member of the ovalbumin (clade B)-subfamily, Serpin superfamily of protease inhibitors. It is produced by multiple cell types and shows inhibitory activity towards furin and other proteinases such as chymotrypsin. Human Serpin B8 is 374 amino acids (aa) in length. Although it has no signal sequence, it is released by platelets. The active inhibitor site lies between Arg336 and Arg342. One potential isoform shows a 2 aa substitution for the C-terminal 134 amino acids. Full length human Serpin B8 shares 78% and 83% aa identity with mouse and canine Serpin B8, respectively.