

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Serpin B6 in direct ELISAs and Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant human (rh) Serpin B8 and rhSerpin B9 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human Serpin B6 Asp2-Pro376 Accession # P35237
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 B6

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. <ul style="list-style-type: none"> • 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 B6 (serine protease inhibitor-clade B#6; also placental thrombin inhibitor) is a 42 kDa, cytosolic member of the ovalbumin (clade B)-subfamily, Serpin superfamily of protease inhibitors. It is produced by multiple cell types (keratinocytes; monocytes; mast cells), and shows inhibitory activity towards thrombin, plasmin and chymotrypsin. Human Serpin B6 is 376 amino acids (aa) in length. An active inhibitor site lies between Glu327 and Met338. Multiple potential isoforms exist. One shows a 28 aa substitution for the N-terminal 191 amino acids. Three others have alternate start sites that vary from 14-33 aa's upstream of the standard start site. Human Serpin B6 shares 76% aa identity with mouse Serpin B6.