

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Serpin I1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 50% cross-reactivity with recombinant human (rh) Serpin I1 is observed and less than 5% cross-reactivity with rhSerpin I2 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Serpin I1
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 Mouse Serpin I1

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 I1 (serine proteinase inhibitor-clade I 1; also protease inhibitor 17 and neuroserpin) is a 52 kDa member of the serpin superfamily of protease inhibitors. It is a component of dense-core secretory granules in neurons of the cerebellum, hippocampus and hypothalamus and following release shows inhibitory activity towards tissue-type plasminogen activator. The mouse Serpin I1 precursor is 410 amino acids (aa) in length. It contains a 16 aa signal sequence plus a reactive center loop that lies between Gly348 and Pro375. Mature mouse Serpin I1 (aa 17-410) shares 88% and 92% aa identity with human and rat Serpin I1, respectively.