

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Serpin E1/PAI-1 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant mouse Serpin A1, A5, A6, B8, C1, D1, E2, F1, F2, I1, recombinant human Serpin A3, A4, B6, B9, G1, or I2 is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 367612
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Serpin E1/PAI-1 Leu24-Ser402 Accession # AAH54091
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 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	1 µg/mL	Recombinant Mouse Serpin E1/PAI-1

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 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 E1, also known as Plasminogen Activator Inhibitor-1 (PAI-1), is the principle inhibitor of urokinase-type and tissue-type plasminogen activators. It plays a major role in many processes such as angiogenesis, tumor invasion, and obesity. The amino acid sequence of mouse PAI-1 is 89%, 79% and 76% identical to that of rat, human/chimpanzee and dog.