

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse SerpinI1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, 100% cross reactivity with recombinant mouse Serpin I1 is observed and no cross-reactivity with recombinant human Serpin A1, A3, A4, A5, A12, B6, B8, B9, C1, D1, F2, G1, or I2 is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 437016
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Serpin I1 Ala19-Leu410 Accession # AAH18043
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	1 µg/mL	Recombinant Human and Mouse Serpin I1

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. ● 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, also known as neuroserpin, is a secreted serine protease inhibitor predominantly expressed in the brain. Serpin I1 defects cause familial encephalopathy with neuroserpin inclusion bodies (FEN1B), an autosomal dominant dementia. The amino acid sequence of human Serpin I1 is 99%, 93%, 88%, 86% and 80% identical to that of chimpanzee, dog, rat, mouse and chicken.