

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Serpin A6 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant mouse Serpin A1, A5, B8, C1, D1, E1, E2, F1, F2, I1, recombinant human Serpin A3, A4, B6, B9, G1, I2, or recombinant rat Serpin A6 is observed.
Source	Monoclonal Rat IgG _{2B} Clone # 433903
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Serpin A6 Val23-Ala397 Accession # Q06770
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 Mouse Serpin A6

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 A6 (also known as corticosteroid-binding globulin/CBG and Transcortin) is a 50-60 kDa, secreted glycoprotein member of the serpin family of protease inhibitors. It is produced by hepatocytes and transports > 90% of circulating cortisol. Although Serpin A6 is a serpin family member, it shows no protease inhibition. Mature mouse Serpin A6 is 375 amino acids (aa) in length. Over aa 23-397, mouse Serpin A6 shares 78% and 57% aa sequence identity with rat and human Serpin A6, respectively.