

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
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Serpin I1
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

PRODUCT SPECIFIC NOTICES

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