

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Serpin C1/Antithrombin-III in direct ELISAs and Western blots. In direct ELISAs, approximately 45% cross-reactivity with recombinant mouse (rm) Serpin C1 is observed and less than 2% cross-reactivity with recombinant human (rh) Ser
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Serpin C1/Antithrombin-III His33-Lys464 Accession # P01008
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.

Neutralization	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunoprecipitation	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 C1 is a member of the Serpin superfamily of the serine protease inhibitors (1). It is the principal plasma Serpin of blood clotting proteases and inhibits thrombin as well as several factors such as Xa (2). Similar to Serpins A5 and D1, its thrombin inhibitory activity is enhanced by heparin. Hereditary and acquired Serpin C1 deficiency is the cause of an increased thrombotic tendency in many cases (3). For example, acquired Serpin C1 deficiency is a common condition in sepsis, after major trauma or surgery (4).

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