

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Serpin D1/Heparin Cofactor II in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Serpin D1/Heparin Cofactor II Glu24-Ser478 Accession # P49182
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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 D1 is a member of the Serpin superfamily of the serine protease inhibitors (1). Similar to Serpins A5 and C1, it inhibits thrombin and this activity is enhanced by heparin. Interestingly, a C-terminal His-tagged recombinant Serpin D1 had enhanced heparin effect, which was maintained in a plasma-based thrombin inhibition assay (2). Congenital Serpin D1 deficiency is a potential risk factor for thrombosis (3). Mouse Serpin D1 is synthesized as a 478 amino acid precursor with a 23 amino acid signal peptide (4). The mature chain (residues 24 to 478) is secreted.

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