Human Serpin D1/Heparin Cofactor II Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 373008

Catalog Number: FAB3198G

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Serpin D1/Heparin Cofactor II in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human Serpin A3, A4, B6, B8, C1, I1, I2, recombinant mouse Serpin A1, A6, D1, E1, E2, F1, or F2 is observed.
Source	Monoclonal Mouse IgG_{2B} Clone # 373008
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*S. frugiperda* insect ovarian cell line *Sf* 21-derived recombinant human Serpin D1/Heparin Cofactor II Gly20-Arg498 Accession # P05546
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.*

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, also known as Heparin Cofactor II, 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).

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