

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Serpin F1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant mouse Serpin F1 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 187003
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Serpin F1, Mouse myeloma cell line NS0-derived recombinant human Serpin F1, and <i>S. frugiperda</i> insect ovarian cell line Sf21-derived recombinant human Serpin F1 Asp44-Pro418 Accession # P36955
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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	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 F1, also known as pigment epithelium derived factor (PEDF), is a secreted glycoprotein that shows sequence and structural similarity with the serpin superfamily proteins, but lacks serine protease inhibitory activity. Serpin F1 has been shown to have cell-type specific functions including inhibition of retinal angiogenesis and neurotrophic activity in the retina and central nervous system.

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