

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Serpin F1/PEDF in direct ELISAs and Western blots. In direct ELISAs and Western blots, this antibody does not cross-react with recombinant human Serpin A1, A3, A5, C1, or F1.
Source	Monoclonal Rat IgG _{2B} Clone # 199315
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse Serpin F1/PEDF Asp43-Thr417 Accession # P97298
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.

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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