

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse SerpinI1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, 100% cross reactivity with recombinant mouse Serpin I1 is observed and no cross-reactivity with recombinant human Serpin A1, A3, A4, A5, A12
Source	Monoclonal Rat IgG _{2A} Clone # 437016
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Serpin I1 Ala19-Leu410 Accession # AAH18043
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 I1, also known as neuroserpin, is a secreted serine protease inhibitor predominantly expressed in the brain. Serpin I1 defects cause familial encephalopathy with neuroserpin inclusion bodies (FEN1B), an autosomal dominant dementia. The amino acid sequence of human Serpin I1 is 99%, 93%, 88%, 86% and 80% identical to that of chimpanzee, dog, rat, mouse and chicken.

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