

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Serpin A9/Centerin in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human Serpin A1, A3, A4, A5, A6, A11, A12, B6, B8, B9, C1, D1, E1, E2, F1, F2, G1, I1, I2, recombinant mouse (rm) SerpinA3N, and rmSerpinA9
Source	Monoclonal Mouse IgG _{2A} Clone # 585302
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Serpin A9/Centerin Ala24-Thr417 Accession # AAQ89063
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.

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 A9 (Serine proteinase inhibitor-clade A #9; also GCET1, Centerin and Serpin A11) is a 46 kDa, secreted member of the α1-antitrypsin (clade A) subfamily, serpin superfamily of protease inhibitors. It is only produced by normal and lymphoma germinal center B cells. Its function is unknown, but it presumably acts as an inhibitor of a trypsin-like protease. Mature human Serpin A9 is presumably 394 amino acids (aa) in length. It contains one Serpin motif (aa 405-415). There are multiple splice variants associated with Serpin A9. There are alternate start sites at Met19, Met99 and Met150. A fourth isoform shows a two aa substitution for aa 369-435, while a fifth isoform shares this same substitution coupled with a 39 aa substitution for aa 1-75. A sixth variant shows a deletion of aa 91-190. Mature human Serpin A9 shares 67% aa identity with mouse Serpin A9.

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