

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 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.

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.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.