Human Serpin A9/Centerin Antibody

Monoclonal Mouse IgG_{2A} Clone # 585302

Catalog Number: MAB5429

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 is observed.
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
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

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.*

	Recommended Concentration	Sample
Immunohistochemistry	8-25 µg/mL	Immersion-fixed paraffin-embedded sections of human B cell lymphoma

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.

bio-techne®
Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449