Human Serpin A5/Protein C Inhibitor Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 210326

Catalog Number: IC1266V

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Serpin A5/Protein C in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human Serpin A1, A3, F2, C1, or recombinant mouse Serpin A5 is observed.
Source	Monoclonal Mouse IgG_{2A} Clone # 210326
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Serpin A5/Protein C His20-Pro406 Accession # P05154
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and 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.*

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	0.25-1 µg/10^6 cells	HepG2 human hepatocellular carcinoma cell line

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 A5 is the a member of the Serpin superfamily and inhibits a variety of serine proteases such as protein C, plasminogen activators, thrombin, factor Xa, several kallekreins and acrosin (1). Serpin A5 is synthesized in the liver and secreted in plasma. It is found in numerous steroid-responsive organs and has been detected in saliva, cerebral spinal fluid, amniotic fluid, tears and semen. Because of its protease targets and regulated expression patterns, Serpin A5 has been proposed to play a role in processes such as blood coagulation, fertilization and carcinogenesis (2, 3). Similar to Serpins C1 and D1, its thrombin inhibitory activity is enhanced by heparin.

References:

1. Silverman, G.A. *et al.* (2001) J. Biol. Chem. **276**:33293.
2. Palmier, D. *et al.* (2002) J. Biol. Chem. **277**:40950.
3. Geiger, M. *et al.* (1996) Immunopharmacology **32**:53.

PRODUCT SPECIFIC NOTICES

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