

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Serpin A3N in direct ELISAs and Western blots. In direct ELISAs, less than 2% cross-reactivity with recombinant mouse (rm) Serpin A1, recombinant human Serpin A3 and rmSerpin A5 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Serpin A3N Phe21-Lys418 Accession # Q91WP6
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.
Immunoprecipitation	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 A3N is a serine protease inhibitor that is structurally related to α 1-antichymotrypsin encoded by the SERPINA3 gene (1). Serpin A3N is highly expressed in brain, testis, lung, thymus, and spleen (2). Serpin A3N secreted by Sertoli cells may regulate the activity of locally produced Granzyme B (3). Granzyme B inhibition by Serpin A3N may therefore regulate Granzyme B-mediated killing by cytotoxic lymphocytes, providing a means to disable cell-mediated immune responses.

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