

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Serpin B8/Proteinase Inhibitor 8 in direct ELISAs. In direct ELISAs, approximately 25% cross-reactivity with recombinant mouse (rm) Serpin B8 is observed. No cross-reactivity with recombinant human Serpin A1, A3, A4, A5, A6, A9, A11, A12,
Source	Monoclonal Mouse IgG _{2A} Clone # 423023
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf21-derived recombinant human Serpin B8/Proteinase Inhibitor 8 Asp2-Pro374 Accession # P50452
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 B8 (serine proteinase inhibitor-clade B #8; also PI8) is a 42-45 kDa, cytoplasmic and secreted member of the ovalbumin (clade B)-subfamily, Serpin superfamily of protease inhibitors. It is produced by multiple cell types and shows inhibitory activity towards furin and other proteinases such as chymotrypsin. Human Serpin B8 is 374 amino acids (aa) in length. Although it has no signal sequence, it is released by platelets. The active inhibitor site lies between Arg336 and Arg342. One potential isoform shows a 2 aa substitution for the C-terminal 134 amino acids. Full length human Serpin B8 shares 78% and 83% aa identity with mouse and canine Serpin B8, respectively.

PRODUCT SPECIFIC NOTICES

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