

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects human Serpin B6 in direct ELISAs and Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant human (rh) Serpin B8 and rhSerpin B9 is observed.                                                                                              |
| <b>Source</b>             | Polyclonal Sheep IgG                                                                                                                                                                                                                                                        |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | <i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human Serpin B6<br>Asp2-Pro376<br>Accession # P35237                                                                                                                                                |
| <b>Conjugate</b>          | Alexa Fluor 700<br>Excitation Wavelength: 675-700 nm<br>Emission Wavelength: 723 nm                                                                                                                                                                                         |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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.

## 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 B6 (serine protease inhibitor-clade B#6; also placental thrombin inhibitor) is a 42 kDa, cytosolic member of the ovalbumin (clade B)-subfamily, Serpin superfamily of protease inhibitors. It is produced by multiple cell types (keratinocytes; monocytes; mast cells), and shows inhibitory activity towards thrombin, plasmin and chymotrypsin. Human Serpin B6 is 376 amino acids (aa) in length. An active inhibitor site lies between Glu327 and Met338. Multiple potential isoforms exist. One shows a 28 aa substitution for the N-terminal 191 amino acids. Three others have alternate start sites that vary from 14-33 aa's upstream of the standard start site. Human Serpin B6 shares 76% aa identity with mouse Serpin B6.

## PRODUCT SPECIFIC NOTICES

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