

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Mouse                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects mouse Serpin E1/PAI-1 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant mouse Serpin A1, A5, A6, B8, C1, D1, E2, F1, F2, I1, recombinant human Serpin A3, A4, B6, B9, G1, or I2 is observed.                               |
| <b>Source</b>             | Monoclonal Rat IgG <sub>2A</sub> Clone # 367612                                                                                                                                                                                                                             |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant mouse Serpin E1/PAI-1<br>Leu24-Ser402<br>Accession # AAH54091                                                                                                                                                               |
| <b>Conjugate</b>          | Alexa Fluor 488<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 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 E1, also known as Plasminogen Activator Inhibitor-1 (PAI-1), is the principal inhibitor of urokinase-type and tissue-type plasminogen activators. It plays a major role in many processes such as angiogenesis, tumor invasion, and obesity. The amino acid sequence of mouse PAI-1 is 89%, 79% and 76% identical to that of rat, human/chimpanzee and dog.

#### PRODUCT SPECIFIC NOTICES

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