

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Serpin B5/Maspin in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human Serpin A5, B6, B8 or B9 is observed.
Source	Monoclonal Rat IgG _{2B} Clone # 305339
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Serpin B5 Met1-Pro375 Accession # P36952
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 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.

Knockout Validated	Optimal dilution of this antibody should be experimentally determined.
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 B5, also known as Maspin, is a secreted member of the Serpin family although it has no known serine protease inhibitor activity. It is produced by mammary epithelial cells and functions as a tumor suppressor. Serpin B5 is a valuable biomarker of tumor progression and overall prognosis. The amino acid sequence of human Serpin B5 is 99%, 92%, 89%, 88% and 64% identical to that of chimpanzee, dog, mouse, rat and chicken.

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