

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Serpin B2 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2A} Clone # 930119
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Serpin B2 Glu2-Ala65, Ala99-Pro415 Accession # P05120
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.

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 B2, also known as Plasminogen Activator Inhibitor 2 (PAI-2), is a 415 amino acid serine-type endopeptidase inhibitor with high expression in blood, vasculature and placenta. Its expression is upregulated in pregnancy and in activated monocytes/macrophages by a wide range of viral, bacterial and parasitic agents. Serpin B2 is upregulated in monocytes from HIV-1 infected patients, and is thought to modulate Th1/Th2 responses. Serpin B2/PAI-2 colocalizes with CHL1 and Vitronectin and mediates neurite outgrowth during post-natal brain development. Inhibition of uPA by SerpinB2 in tumors is associated with a favorable prognosis.

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