

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Serpin A4/Kallistatin in ELISAs. In sandwich immunoassays, no cross-reactivity with recombinant human Serpin A1, A3, A5, C1, D1, E1, E2, F2, or G1 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 209919
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Serpin A4/Kallistatin Leu22-Pro427 Accession # AAA59454
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.

ELISA Capture (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
ELISA Detection (Matched Antibody Pair)	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 A4, also called Kallistatin, Kallikrein inhibitor and protease inhibitor 4, is a member of the Serpin superfamily of the serine protease inhibitors (1). Known also as kallistatin or proteinase inhibitor 4, Serpin A4 has been shown to function as a specific inhibitor of tissue kallikrein and as an inhibitor of angiogenesis and tumor growth (2, 3).

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