

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Serpin A8/Angiotensinogen in direct ELISAs and Western blots. Shows no cross-reactivity with recombinant human Serpin A1, -A3, -A4, -A5, -A6, -C1, -D1, -E2, -F1, -F2, -G1, -I1, -I2, -B6, -B8, -B9, or recombinant mouse Serpin A6.
Source	Monoclonal Mouse IgG ₁ Clone # 369439
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Serpin A8/Angiotensinogen Asp34-Ala485 Accession # P01019
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.

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

Angiotensinogen, a member of the serpin family (Serpins A8), is synthesized in liver and cleaved by renin to produce angiotensin I. This is further processed by angiotensin converting enzyme (ACE) to yield angiotensin II, a key blood pressure regulator. The amino acid sequence of human AGT is 99%, 68%, 64%, and 61% identical to that of chimpanzee, canine, rat, and mouse.

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