Mouse Serpin A8/Angiotensinogen Alexa Fluor® 594-conjugated Antibody

Monoclonal Rat IgG_1 Clone # 754438

Catalog Number: FAB6966T

100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Serpin A8/Angiotensinogen in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human (rh) Serpin A8/Angiotensinogen, rhSerpin A4, recombinant mouse (rm) Serpin A1, A3N, A11, B8, C1, E1, E2, I1, or rmPED
Source	Monoclonal Rat IgG_1 Clone # 754438
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant mouse Serpin A8/Angiotensinogen Asp25-Val477 Accession # P11859
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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.
Immunohistochemistry	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 A8 (serine proteinase inhibitor-clade A #8; also angiotensinogen/ANGT) is a secreted, 52-62 kDa glycoprotein member of the clade F-subfamily, serpin superfamily of protease inhibitors. It is expressed by neurons and hepatocytes, and undergoes extracellular cleavage by renin to create a ten amino acid (aa) peptide termed Ang/angiotensin I. This inactive peptide is further cleaved by ACE on the endothelial cell membrane to create bioactive Ang II. Ang II induces vascoconstriction and aldosterone release. Mature human Serpin A8 is 452 aa in length (aa 34-485). It contains Ang I (aa 34-43) that is cleaved to create Ang II (aa 34-41). Serpin A8 may circulate in a 200 kDa complex with major basic protein (MBP), or as part of a larger 300 kDa complex with MBP and complement C3dg. Over aa 34-485, human Serpin A8 shares 61% aa identity with mouse Serpin A8.

PRODUCT SPECIFIC NOTICES

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