Human Uromodulin Alexa Fluor® 532-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 877914

Catalog Number: FAB5144X

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Uromodulin in ELISA.
Source	Monoclonal Mouse IgG_1 Clone # 877914
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Uromodulin Asp25-Ser614 Accession # P07911
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.*

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

Uromodulin (also Tamm-Horsfall glycoprotein or THP) is an 85-95 kDa urinary glycoprotein. It is secreted by renal tubule epithelium, acts as a binding protein for IL-1, TNF-α and C1q, activates resting monocytes and promotes neutrophil phagocytosis. Uromodulin forms high molecular weight oligomers that line the kidnay tubules. Human Uromodulin is GPI-linked. Its proprecursor is 616 amino acids (aa) in length. It contains three EGF-like domains (aa 28-149), a ZP domain that mediates oligomerization (aa 334-589) and a cleavable C-terminal propeptide (aa 615-640). There are multiple splice variants. One shows a deletion of aa 67-199, a second shows a nine aa substitution for aa 609-640, a third shows a Pro substitution for aa 205-234 and a fourth shows a 66 aa substitution for aa 613-640. Over aa 25-614, human Uromodulin is 78% aa identical to mouse Uromodulin.

PRODUCT SPECIFIC NOTICES

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