

Product datasheet for **AM31843FC-N**

Uromuroid (UMOD) Mouse Monoclonal Antibody [Clone ID: 10.32]

Product data:

Product Type:	Primary Antibodies
Clone Name:	10.32
Applications:	ELISA, IF, IHC
Recommended Dilution:	Immunohistochemistry on Paraffin Sections.
Reactivity:	Canine, Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Human Tamm-Horsfall protein.
Specificity:	Anti-Human Tamm-Horsfall protein (THP) is a monoclonal antibody which reacts with an epitope of the urinary mucoprotein. This monoclonal antibody has shown good localization to the distal tubule and collecting duct as well as to large deposits of Tamm-Horsfall protein which has clogged peri-pelvic veins.
Formulation:	PBS containing 0.02% Sodium Azide as preservative and 4-5 mg/ml EIA grade BSA as stabilizer to bring total protein concentration to 4-5 mg/ml. Label: FITC State: Liquid purified Ig fraction. Label: Fluorescein
Concentration:	lot specific
Purification:	Protein G Chromatography.
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	uromodulin
Database Link:	Entrez Gene 7369 Human P07911



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Background:

Tamm-Horsfall Protein (THP) is a glycoprotein of approximately 80 kDa containing up to 25% carbohydrate by weight. It exists as a high molecular weight polymer in urine and approximately 50 mg of the THP are excreted per day by adult humans. THP is produced by the epithelial cells lining the thick ascending loop of Henle and distal convoluted tubules of the kidney. THP is also the primary constituent of renal tubular casts and THP aggregation has been implicated as a factor in the pathogenesis of acute renal failure by causing tubular obstruction. Antibody to THP is present in the serum of patients with pyelonephritis and reflux uropathy.

Synonyms:

Tamm-Horsfall urinary glycoprotein, THP