Purified Anti-Human Tamm-Horsfall Protein
Monoclonal Antibody

CL1032AP
LOT: ??

DESCRIPTION:
Cedarlane anti-human Tamm-Horsfall protein (THP) is a monoclonal antibody which reacts with an epitope of the urinary mucoprotein. Tamm-Horsfall protein 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.

CL1032AP can be used in indirect immunosorbent enzyme assays or in immunohistopathology for staining of frozen sections and formalin fixed, paraffin embedded tissues by indirect immunofluorescence or immunoperoxidase. It can also be used to purify THP by binding to a solid phase. 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. This antibody also works with canine.

PRESENTATION:
250 µg purified Ig buffered in PBS and 0.02% sodium azide (NaN₃).

STORAGE/STABILITY:
Store at 4°C. For long term storage, aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

Continued Overleaf.....
SPECIFICATIONS:

Clone: 10.32

Hybridoma Production:

Immunized Strain: BALB/C
Immunogen: Human tamm-horsfall protein
Fusion Partner: SP2/0 myeloma

Ig Class: Mouse IgG2b

Format: Purified Ig buffered in PBS and 0.02% NaN3 (Purified from ascites fluid via Protein G Chromatography).

Antibody Concentration: 1.0 mg/ml

REFERENCES:


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