

Product datasheet

Anti-Uromuroid antibody ab9029

1 References

Overview

Product name	Anti-Uromuroid antibody
Description	Sheep polyclonal to Uromuroid
Host species	Sheep
Tested applications	Suitable for: Double Immunodiffusion, RID, Immunoelectrophoresis
Species reactivity	Reacts with: Human
Immunogen	Human Uromuroid purified from human urine. Greater than 95% purity by SDS-PAGE.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Glycine buffered saline pH7.4, 0.1% Sodium Azide, 0.1% EACA, 0.01% Benzamidine, 1mM EDTA
Purity	IgG fraction
Purification notes	Antiserum is prepared by immunisation of sheep with Human Uromuroid and, if necessary, adsorbed to monospecificity by use of solid-phase adsorbents. An immunoglobulin fraction is then produced. The titre is adjusted so that inter-batch variation is within 10%. The product is 0.2µm filtered.
Clonality	Polyclonal
Isotype	IgG
Light chain type	unknown

Applications

Our [Abpromise guarantee](#) covers the use of **ab9029** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Double Immunodiffusion		

Application	Abreviews	Notes
RID		
Immunoelectrophoresis		
Rocket Immunoelectrophoresis		
Application notes	<p>RID and Rocket IEP : 10µL antiserum/cm² in gel vs 5µL uromucoid 50mg/L, NT – 1/5</p> <p>Double Diffusion : 10µL antiserum vs 3µL uromucoid 50mg/L</p> <p>IEP : 100µL antiserum vs 5µL uromucoid 50mg/L</p> <p>Optimal dilutions should be determined by the individual laboratory</p> <p>The use of 3% PEG 6000 with 1.2% agarose in a suitable buffer (such as TBE or Tris-barbital pH >8.2) is recommended.</p> <p>Suitability for use in enzyme-linked immunosorbent assays and Western blot has not been assessed but use in such assays should not necessarily be excluded.</p>	
Target		
Function	Not known. May play a role in regulating the circulating activity of cytokines as it binds to IL-1, IL-2 and TNF with high affinity.	
Tissue specificity	Synthesized by kidney. Most abundant protein in normal human urine.	
Involvement in disease	<p>Defects in UMOD are the cause of familial juvenile hyperuricemic nephropathy type 1 (HNFJ1) [MIM:162000]. HNFJ1 is a renal disease characterized by juvenile onset of hyperuricemia, polyuria, progressive renal failure, and gout. The disease is associated with interstitial pathological changes resulting in fibrosis.</p> <p>Defects in UMOD are the cause of medullary cystic kidney disease type 2 (MCKD2) [MIM:603860]. MCKD2 is a form of tubulointerstitial nephropathy characterized by formation of renal cysts at the corticomedullary junction. It is characterized by adult onset of impaired renal function and salt wasting resulting in end-stage renal failure by the sixth decade.</p> <p>Defects in UMOD are the cause of glomerulocystic kidney disease with hyperuricemia and isosthenuria (GCKDHI) [MIM:609886]. GCKDHI is a renal disorder characterized by a cystic dilation of Bowman space, a collapse of glomerular tuft, and hyperuricemia due to low fractional excretion of uric acid and severe impairment of urine concentrating ability.</p>	
Sequence similarities	<p>Contains 3 EGF-like domains.</p> <p>Contains 1 ZP domain.</p>	
Cellular localization	Cell membrane. Secreted. Secreted after cleavage in the urine.	

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