Datasheet: 8595-0054

Description: SHEEP ANTI HUMAN TAMM HORSFALL GLYCOPROTEIN

Specificity: TAMM HORSFALL GLYCOPROTEIN

Other names: UROMUCOID

Format: Purified

Product Type: Polyclonal Antibody

Isotype: Polyclonal IgG

Quantity: 1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immunohistology - Frozen</td>
<td>-</td>
<td>1/50 - 1/200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td>-</td>
<td>1/10,000 - 1/40,000</td>
<td></td>
<td></td>
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<tr>
<td>Immunofluorescence</td>
<td>-</td>
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</table>

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse

N.B. Antibody reactivity and working conditions may vary between species.

Product Form

IgG fraction - liquid

Preparation

IgG fraction prepared by anion exchange chromatography

Buffer Solution

Glycine buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN3)

0.1% EACA

0.01% Benzamidine

1 mM EDTA

Immunogen

Purified human uromucodulin prepared from urine.

External Database Links

UniProt: P07911  Related reagents
Entrez Gene:
7369 UMOD Related reagents

RRID AB_620425

Specificity
Sheep anti Human Tamm Horsfall Glycoprotein antibody recognizes human Tamm Horsfall Protein (THP), also known as uromodulin (Pennica et al. 1987). THP was originally isolated from normal human urine (Tamm et al. 1952). THP is a 616 amino acid ~85 kDa glycoprotein synthesized by the kidney and is the most abundant urinary protein in healthy individuals (Pennica et al. 1987). THP forms the matrix of all urinary casts either alone (hyaline casts) or in association with cellular fragments and filtered proteins (granular casts), casts are indicative of a number of pathological states including glomerulonephritis and vasculitis (Chambers et al. 1986).

The specificity of sheep anti human Tamm Horsfall glycoprotein antibody has been confirmed by double diffusion against tamm horsfall glycoprotein and an independent known antibody against THP.

References
### Storage
Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.

### Guarantee
Guaranteed until date of expiry. Please see product label.

### Health And Safety Information
Material Safety Datasheet documentation #10087 available at:

### Regulatory
For research purposes only

### Related Products
**Recommended Secondary Antibodies**

- Rabbit Anti Sheep IgG (H/L) (5184-2304...) **Biotin**
- Donkey Anti Sheep IgG (STAR88...) **DyLight®488, FITC, HRP**

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