Datasheet: 134001

<table>
<thead>
<tr>
<th>Description</th>
<th>GOAT ANTI HUMAN COLLAGEN IV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity</td>
<td>COLLAGEN IV</td>
</tr>
<tr>
<td>Format</td>
<td>Purified</td>
</tr>
<tr>
<td>Product Type</td>
<td>Polyclonal Antibody</td>
</tr>
<tr>
<td>Isotype</td>
<td>Polyclonal IgG</td>
</tr>
<tr>
<td>Quantity</td>
<td>0.2 mg</td>
</tr>
</tbody>
</table>

## 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](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Applications</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></td>
<td></td>
<td>1/10 - 1/40</td>
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<tr>
<td>Immunohistology - Paraffin</td>
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</tr>
<tr>
<td>ELISA</td>
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<td></td>
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<td>1/1000 - 1/4000</td>
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<tr>
<td>Immunofluorescence</td>
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<tr>
<td>Immunoblotting</td>
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</tbody>
</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 appropriate negative/positive controls.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Rat, Mouse

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

### Product Form

Purified IgG - liquid

### Antiserum Preparation

Antiserum to human collagen IV was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

### Buffer Solution

Borate buffered saline

### Preservative Stabilisers

None present

### Approx. Protein Concentrations

IgG concentration 0.4 mg/ml

### Immunogen

Human Collagen Type IV from human placenta

### External Database Links

UniProt:
**Specificity**

**Goat anti Human collagen IV antibody** recognizes human collagen type IV. It has been cross adsorbed against collagen types I, II, III, V and VI, resulting in <10% cross-reactivity. It may cross-react with collagen type IV from other species.

Collagen is located in the extracellular matrix of connective tissues. It is part of the interacting network of proteoglycans and proteins that provides a structural framework for both soft and calcified connective tissues. Collagen Type IV forms a two-dimensional reticulum and is a major component of the basal lamina.

Goat anti human collagen IV has been successfully employed for the demonstration of vasculature in developing rat pups using immunofluorescence techniques (Kermorvant-Duchemin et al., 2013).

**References**


**Storage**

Store at -20°C only. 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. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life**

Please see label for expiry date.

**Health And Safety Information**


**Regulatory**

For research purposes only

**Related Products**
Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) **FITC, HRP**