### 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>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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</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>
<td>ELISA</td>
<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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</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. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

**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:  
P02462 Related reagents  
P08572 Related reagents  
Q01955 Related reagents  
P53420 Related reagents  
P29400 Related reagents  
Q14031 Related reagents

Entrez Gene:  
1282 COL4A1 Related reagents  
1284 COL4A2 Related reagents  
1285 COL4A3 Related reagents  
1286 COL4A4 Related reagents  
1287 COL4A5 Related reagents  
1288 COL4A6 Related reagents

RRID  AB_2082646

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  
3. Rajapaksa, K.S. et al. (2016) Preclinical Safety Profile of a Depleting Antibody against CRTh2 for Asthma: Well Tolerated Despite Unexpected CRTh2 Expression on Vascular


### 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.

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

### Health And Safety Information

### Regulatory
- For research purposes only

### Related Products
#### Recommended Secondary Antibodies
- Rabbit Anti Goat IgG (Fc) (STAR122...) FITC, HRP

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