Datasheet: 134001
BATCH NUMBER 164900

Product Details

**Description:**
GOAT ANTI HUMAN COLLAGEN IV

**Specificity:**
COLLAGEN IV

**Format:**
Purified

**Product Type:**
Polyclonal Antibody

**Isotype:**
Polyclonal IgG

**Quantity:**
0.2 mg

**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>
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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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<td>Immunofluorescence</td>
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<td>Immunoblotting</td>
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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 for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.

**Health And Safety Information**

Material Safety Datasheet documentation #10123 available at:

https://www.bio-rad-antibodies.com/SDS/134001

10123

**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

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

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