## Datassheet: MCA597GA

### Product Details

<table>
<thead>
<tr>
<th>Description:</th>
<th>MOUSE ANTI HUMAN COLLAGEN VII</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>COLLAGEN VII</td>
</tr>
<tr>
<td>Format:</td>
<td>Purified</td>
</tr>
<tr>
<td>Product Type:</td>
<td>Monoclonal Antibody</td>
</tr>
<tr>
<td>Clone:</td>
<td>LH7.2</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgG1</td>
</tr>
<tr>
<td>Quantity:</td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

### 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>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
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<tr>
<td>Immunohistology - Frozen</td>
<td>-</td>
<td></td>
<td></td>
<td>1/25 - 1/100</td>
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<tr>
<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</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

Does not react with: Rat, Mouse, Pig

### Product Form

Purified IgG - liquid

### Preparation

Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.09% Sodium Azide

### Carrier Free

Yes

### Approx. Protein Concentrations

IgG concentration 1.0 mg/ml
Immunogen

Crude extract of skin

External Database Links

UniProt:
Q02388  Related reagents

Entrez Gene:
1294  COL7A1  Related reagents

Fusion Partners

Spleen cells from immunised BALB/c mice were fused with cells of the mouse Sp2 myeloma cell line

Specificity

Mouse anti Human collagen VII antibody, clone LH7.2 recognizes the carboxy-terminus of type VII collagen (Kirkham et al. 1989). Collagen VII is a basement membrane protein in stratified squamous epithelia which is involved in membrane organization through interaction with other ECM components (Gammon et al. 1992). It is composed of three identical alpha chains, each having an amino-terminal non-collagenous domain and a carboxy-terminal collagenous domain.

Mouse anti Human collagen VII, clone LH7.2 has proved effective for immunohistochemical identification of basement membrane in human skin (Watson et al. 2001).

References


Storage

Store at +4°C for one month or at -20°C for longer.

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

18 months from date of despatch.

Health And Safety Information


Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) HRP
Goat Anti Mouse IgG (STAR77...) HRP
Rabbit Anti Mouse IgG (STAR12...) RPE
Rabbit Anti Mouse IgG (STAR8...) DyLight®800
Rabbit Anti Mouse IgG (STAR13...) HRP
Goat Anti Mouse IgG (STAR76...) RPE
Goat Anti Mouse IgG (STAR70...) FITC
Goat Anti Mouse IgG (Fc) (STAR120...) FITC, HRP
Rabbit Anti Mouse IgG (STAR9...) FITC
Goat Anti Mouse IgG (H/L) (STAR117...) HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

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