**Datasheet: MCA597**

<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>S/N</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>2 ml</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.abdserotec.com/protocols](http://www.abdserotec.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>1/5 - 1/10</td>
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<tr>
<td>Immunohistology - Paraffin</td>
<td></td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<tr>
<td>Western Blotting</td>
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</tbody>
</table>

Where this antibody 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 antibody 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**

Tissue Culture Supernatant - liquid

**Preparation**

Tissue Culture Supernatant containing 0.2M Tris/HCl pH7.4 and 5-10% foetal calf serum

**Preservative Stabilisers**

0.09% Sodium Azide

**Immunogen**

Crude extract of skin

**External Database Links**

<table>
<thead>
<tr>
<th>UniProt:</th>
<th>Q02388</th>
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</thead>
<tbody>
<tr>
<td>Related reagents</td>
<td></td>
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</tbody>
</table>

**Entrez Gene:**
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.

Shelf Life  
18 months from date of despatch.

Health And Safety Information  
Related Products

**Recommended Secondary Antibodies**

- Rabbit Anti Mouse IgG (STAR8...), **DyLight®800**
- Goat Anti Mouse IgG (STAR70...), **FITC**
- Goat Anti Mouse IgG (STAR76...), **RPE**
- Goat Anti Mouse IgG (STAR77...), **HRP**
- Rabbit Anti Mouse IgG (STAR9...), **FITC**
- Goat Anti Mouse IgG (Fc) (STAR120...), **FITC, HRP**
- Goat Anti Mouse IgG IgA IgM (STAR87...), **Alk. Phos., HRP**
- Rabbit Anti Mouse IgG (STAR12...), **RPE**
- Rabbit Anti Mouse IgG (STAR13...), **HRP**
- HuCAL Anti Mouse IgG1 (HCA036...), **HRP**
- Goat Anti Mouse IgG (H/L) (STAR117...), **Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®800, FITC, HRP**

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