Datasheet: MCA1455G

Description: RAT ANTI HUMAN CARTILAGE OLIGOMERIC MATRIX PROTEIN

Specificity: CARTILAGE OLIGOMERIC MATRIX PROTEIN

Other names: COMP

Format: Purified

Product Type: Monoclonal Antibody

Clone: MA37C94 (HC484D1)

Isotype: IgG2a

Quantity: 0.2 mg

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.

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<td>Immunohistology - Frozen</td>
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<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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<td>1/200 - 1/2000</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

Product Form Purified IgG - liquid

Preparation Purified IgG prepared by affinity chromatography on Protein G 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 Human cartilage derived COMP
Fusion Partners

Spleen cells from immunized Wistar rats were fused with cells of the mouse NS1 myeloma cell line.

Specificity

Rat anti Human cartilage oligomeric matrix protein antibody, clone MA37C94 recognizes human cartilage oligomeric matrix protein (COMP), otherwise known as thrombospondin-5 (TSP-5). COMP is a 757 amino acid matrix glycoprotein bearing four EGF-like domains, a single TSP C-terminal domain and eight TSP type-3 repeats (Uniprot P49747). Defects in the COMP gene can lead to the presence of pseudoachondroplasia or multiple epiphyseal dysplasia (Posey et al. 2014).

Rat anti Human cartilage oligomeric matrix protein, clone MA37C94 recognizes an epitope located in the central portion of the molecule and has been described as suitable for use in western blotting (Gagarina et al. 2008) and immunohistochemistry (Grigoriadis et al. 2006).

References

Health And Safety Information

Material Safety Datasheet documentation #10040 available at:

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR17...)  FITC
Goat Anti Rat IgG (STAR69...)  FITC
Goat Anti Rat IgG (STAR131...)  Alk. Phos., Biotin
Goat Anti Rat IgG (STAR73...)  RPE
Rabbit Anti Rat IgG (STAR21...)  HRP
Goat Anti Rat IgG (STAR72...)  HRP
Rabbit Anti Rat IgG (STAR16...)  DyLight®800
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...) DyLight®800

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Printed on 11 Aug 2020