Datasheet: MCA1930

**Description:** MOUSE ANTI HUMAN MAST CELL CHYMASE

**Specificity:** MAST CELL CHYMASE

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** CC1

**Isotype:** IgG1

**Quantity:** 0.1 mg

**RRID** AB_2083618

**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>Flow Cytometry</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<tr>
<td>Immunohistology - Paraffin</td>
<td>X</td>
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<td>ELISA</td>
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<td>Western Blotting</td>
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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

**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** Purified human skin chymase.
Fusion Partners
Spleen cells from immunised BALB/c mice were fused with cells of the P3/NSI/I.Ag4.1 mouse myeloma cell line.

Specificity
Mouse anti Human Mast Cell Chymase antibody, clone CC1 binds to human mast cell chymase, an important marker of mast cells and also an important mediator of inflammation.

Mouse anti Human Mast Cell Chymase antibody, clone CC1 may be used to detect mast cells in routinely fixed tissues, and has been used to study the distribution of mast cells in skin, synovium, lung and heart.

Binding of Mouse anti Human Mast Cell Chymase antibody, clone CC1 to chymase is not reduced in the presence of heparin, suggesting that the antibody does not bind to the heparin-binding domain of chymase.

Immunohistology
This product does not require protein digestion pre-treatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.

Histology Positive Control Tissue
Skin

References

Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. 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...) Alk. Phos., 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...) Alk. Phos., DyLight®488, DyLight®680, DyLight®800, FITC, HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)