Datasheet: MCA888H

**Description:** MOUSE ANTI HUMAN CYTOKERATIN TYPE II

**Specificity:** CYTOKERATIN TYPE II

**Format:** Ready To Use

**Product Type:** Monoclonal Antibody

**Clone:** AE3

**Isotype:** IgG1

**Quantity:** 6 ml

**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>Immunohistology - Frozen</td>
<td>□</td>
<td></td>
<td></td>
<td>Neat</td>
</tr>
<tr>
<td>Immunohistology - Paraffin (1)</td>
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<td>Neat</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.

(1) This product requires protein digestion pre-treatment of paraffin sections. Antigen retrieval buffer pH8.0 ([BUF025A](#)) is recommended for this purpose.

**Target Species**

Human

**Species Cross Reactivity**

Reacts with: Rat, Chicken, Macaque, Bovine, Shrew, Rabbit, Mouse, Frog (Rana esculenta), Rainbow Trout

Based on sequence similarity, is expected to react with: Fish

N.B. Antibody reactivity and working conditions may vary between species.

**Product Form**

Purified IgG - liquid, ready to use

**Preparation**

Purified IgG prepared by affinity chromatography on Protein A

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.1% Sodium Azide

1% Bovine Serum Albumin

**Immunogen**

Human epidermal cells.

**Specificity**

Mouse anti Human cytokeratin type II antibody, clone AE3 recognizes human cytokeratin type II and reacts with most of the Basic (Type II) keratins. Including epidermal cell keratin of ~86 and 58 kDa and skin at ~ 58 kDa, 65 kDa and 67 kDa. Broad keratin reactivity is found on
Human epithelium contains at least one basic keratin, AE3 is broadly reactive and stains positively almost all epithelia and their neoplasms.

<table>
<thead>
<tr>
<th>Histology Positive Control Tissue</th>
<th>Human epidermal cell, Oesophagus, cornea.</th>
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</table>

**References**


**Storage**

Store at +4°C.

**DO NOT FREEZE**

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life**

18 months from date of despatch.

**Health And Safety Information**


**Regulatory**

For research purposes only

**Recommended Secondary Antibodies**

- Goat Anti Mouse IgG (STAR77...) **HRP**
- Rabbit Anti Mouse IgG (STAR9...) **FITC**
- Rabbit Anti Mouse IgG (STAR13...) **HRP**
- Goat Anti Mouse IgG (STAR70...) **FITC**
- HuCAL Anti Mouse IgG1 (HCA036...) **HRP**
Goat Anti Mouse IgG (Fc) (STAR120...) **FITC, HRP**
Rabbit Anti Mouse IgG (STAR8...) **DyLight®800**
Goat Anti Mouse IgG (STAR76...) **RPE**
Rabbit Anti Mouse IgG (STAR12...) **RPE**
Goat Anti Mouse IgG IgA IgM (STAR87...) **Alk. Phos., HRP**
Goat Anti Mouse IgG (H/L) (STAR117...) **Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP**

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