

## Datasheet: MCA1907

<b>Description:</b>	MOUSE ANTI HUMAN CYTOKERATIN (PAN)
<b>Specificity:</b>	CYTOKERATIN (PAN)
<b>Format:</b>	Concentrate
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AE1/AE3 Cocktail
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	1 ml

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	▪			1/10 - 1/40
Immunohistology - Paraffin (1)	▪			1/10 - 1/40

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.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Serotec target unmasking fluid (STUF) product code [BUF025A/B/C](#) is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse, Pig, Macaque, Shrew</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
<b>Product Form</b>	Purified IgG - liquid
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.1% Sodium Azide

<b>Stabilisers</b>	1% Bovine Serum Albumin
<b>Immunogen</b>	Human epidermal keratins.
<b>RRID</b>	AB_2281069
<b>Specificity</b>	<b>Mouse anti Human Cytokeratin (Pan) antibody, clone AE1/AE3</b> is a pan-cytokeratin reagent, being a cocktail of clones AE1 and AE3 which provides the broadest spectrum of reactivity to the 19 known human epidermal keratins. It produces positive staining in virtually all epithelia.
<b>Histology Positive Control Tissue</b>	Human Skin
<b>References</b>	<ol style="list-style-type: none"> <li>1. Smith, K.J. <i>et al.</i> (1998) Sensitivity of cross-reacting antihuman antibodies in formalin-fixed porcine skin: including antibodies to proliferation antigens and cytokeratins with specificity in the skin. <a href="#">J Dermatol Sci. 18 (1): 19-29.</a></li> <li>2. Tsubura, A. <i>et al.</i> (1991) Immunophenotypic difference of keratin expression in normal mammary glandular cells from five different species. <a href="#">Acta Anat (Basel). 140 (3): 287-93.</a></li> <li>3. Hoefler, R.S. &amp; Kudva, I.T. (2021) EDL933 Strains of Escherichia coli O157 can Demonstrate Genetic Diversity and Differential Adherence to Bovine Recto-Anal Junction Squamous Epithelial Cells <a href="#">The Open Microbiology Journal. 15 (1): 129-138.</a></li> </ol>
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight®800</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)

Goat Anti Mouse IgG (STAR70...) [FITC](#)

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

### **Recommended Negative Controls**

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

### **Recommended Useful Reagents**

[10x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025B\)](#)  
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
----------------------------------	---	------------------	---	---------------	---

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

'M387165:210616'

**Printed on 02 Feb 2022**

---

© 2022 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)