

Datasheet: MCA1907T

Description:	MOUSE ANTI HUMAN CYTOKERATIN (PAN)
Specificity:	CYTOKERATIN (PAN)
Format:	Concentrate
Product Type:	Monoclonal Antibody
Clone:	AE1/AE3 Cocktail
Isotype:	IgG1
Quantity:	0.1 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.

	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.**

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Pig, Macaque, Shrew N.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.
Product Form	Purified IgG - liquid
Buffer Solution	Phosphate buffered saline
Preservative	0.1% Sodium Azide (NaN ₃)

Stabilisers	1% Bovine Serum Albumin
Immunogen	Human epidermal keratins.
RRID	AB_324192
Specificity	Mouse anti Human Cytokeratin (Pan) antibody, clone AE1/AE3 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.
Histology Positive Control Tissue	Human Skin
References	<p>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. J Dermatol Sci. 18 (1): 19-29.</p> <p>2. Tsubura, A. <i>et al.</i> (1991) Immunophenotypic difference of keratin expression in normal mammary glandular cells from five different species. Acta Anat (Basel). 140 (3): 287-93.</p> <p>3. Hoefler, R.S. & 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 The Open Microbiology Journal. 15 (1): 129-138.</p>
Storage	<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>
Guarantee	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

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

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
[10x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025B\)](#)
[100x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M387166:210616'

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