Datasheet: MCA1907

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

Product Form

Purified IgG - liquid

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.1% Sodium Azide
1% Bovine Serum Albumin

Immunogen

Human epidermal keratins.

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	1. Smith, K.J. *et al.* (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. 2. Tsubura, A. *et al.* (1991) Immunophenotypic difference of keratin expression in normal mammary glandular cells from five different species. Acta Anat (Basel). 140 (3): 287-93.
Storage	Store at +4ºC or at -20ºC if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet documentation #10304 available at: 10304: https://www.bio-rad-antibodies.com/uploads/MSDS/10304.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

Recommended Useful Reagents

ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025C)
ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025B)
ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025A)

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