

Datasheet: MCA1864H

Description:	MOUSE ANTI HUMAN CYTOKERATIN 18
Specificity:	CYTOKERATIN 18
Format:	Ready To Use
Product Type:	Monoclonal Antibody
Clone:	CY90
Isotype:	IgG1
Quantity:	5 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
Flow Cytometry			▪	
Immunohistology - Frozen	▪			Neat
Immunohistology - Paraffin (1)	▪			Neat
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	
Immunofluorescence	▪			

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](#) is recommended for this purpose.

Target Species	Human
Product Form	Ready To Use
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide

0.5% Bovine Serum Albumin

Immunogen	Human A-431 and MCF-7 cell lines
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External Database Links	UniProt: P05783 Related reagents
	Entrez Gene: 3875 KRT18 Related reagents

Synonyms	CYK18
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RRID	AB_323102
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Specificity	Mouse anti Human Cytokeratin 18 antibody, clone CY90 recognizes human cytokeratin 18, a 45 kDa member of the acidic family of Cytokeratins. Cytokeratin 18 is often expressed in combination with cytokeratin 8. This antibody stains a range of simple epithelial, but not stratified squamous epithelia.
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Histology Positive Control Tissue	Intestine
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References	<ol style="list-style-type: none">1. MacFarlane, M. <i>et al.</i> (2000) Active caspases and cleaved cytokeratins are sequestered into cytoplasmic inclusions in TRAIL-induced apoptosis. J Cell Biol. 148 (6): 1239-54.2. Holliday, D. <i>et al.</i> (2009) Novel multicellular organotypic models of normal and malignant breast: tools for dissecting the role of the microenvironment in breast cancer progression. Breast Cancer Res 11: R33. Clark, S.E. <i>et al.</i> (2011) Molecular subtyping of DCIS: heterogeneity of breast cancer reflected in pre-invasive disease. Br J Cancer. 2011 Jan 4;104(1):120-74. Ginzberg, H.H. <i>et al</i> (2001) Neutrophil-mediated epithelial injury during transmigration: role of elastase. Am J Physiol Gastrointest Liver Physiol. 281: G705-17.
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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.
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Guarantee	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
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Regulatory	For research purposes only
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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 Useful Reagents

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

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