

Datasheet: MCA1864HT

Description:	MOUSE ANTI HUMAN CYTOKERATIN 18
Specificity:	CYTOKERATIN 18
Format:	Ready To Use
Product Type:	Monoclonal Antibody
Clone:	CY90
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
Flow Cytometry			▪	
Immunohistology - Frozen	▪			Neat
Immunohistology - Paraffin (1)	▪			Neat
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

**External Database
Links**

UniProt:

[P05783](#) [Related reagents](#)

Entrez Gene:

[3875](#) KRT18 [Related reagents](#)

Synonyms

CYK18

RRID

AB_324001

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.

**Histology Positive
Control Tissue**

Intestine

References

1. MacFarlane, M. *et al.* (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. *et al.* (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: R3](#)
3. Clark, S.E. *et al.* (2011) Molecular subtyping of DCIS: heterogeneity of breast cancer reflected in pre-invasive disease. [Br J Cancer. 2011 Jan 4;104\(1\):120-7](#)
4. Ginzberg, H.H. *et al.* (2001) Neutrophil-mediated epithelial injury during transmigration: role of elastase. [Am J Physiol Gastrointest Liver Physiol. 281: G705-17.](#)

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.

Guarantee

18 months from date of despatch.

**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 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

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