

Datasheet: HCA077A

Description:	HUMAN ANTI HUMAN CYTOKERATIN 18/19
Specificity:	CYTOKERATIN 18/19
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD03748
Isotype:	HuCAL Fab bivalent
Quantity:	50 µg

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			■	
Immunohistology - Paraffin (1)	■			
ELISA	■			
Immunoprecipitation			■	
Western Blotting	■			

Where this product 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 product 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. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Product Form	A bivalent human recombinant Fab (kappa light chain) selected from the HuCAL® GOLD phage display library, expressed in <i>E. coli</i> . This Fab fragment is dimerized via a helix-turn-helix motif. The antibody is tagged with a myc-tag (EQKLISEEDL) and a his-tag (HHHHHH) at the C-terminus of the antibody heavy chain. This antibody is supplied liquid.
Preparation	Metal chelate affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative	0.01% Thiomersal

Stabilisers

Approx. Protein Concentrations	Antibody concentration 0.5 mg/ml
---------------------------------------	----------------------------------

Immunogen	Recombinant human cytokeratin 18.
------------------	-----------------------------------

External Database Links

UniProt:

[P05783](#)[Related reagents](#)[P08727](#)[Related reagents](#)

Entrez Gene:

[3875](#)

KRT18

[Related reagents](#)[3880](#)

KRT19

[Related reagents](#)

Synonyms	CYK18
-----------------	-------

RRID	AB_2133182
-------------	------------

Specificity	<p>Human anti Human cytokeratin 18/19 antibody, clone AbD03748 recognizes human cytokeratin 18 (CK18), a 45 kDa type I intermediate filament protein expressed by epithelial cells. The intermediate filaments are expressed as heterodimers in epithelial tissues. CK18 is often co-expressed with cytokeratin 8 (CK8). The CK18/CK8 heterodimer is the major cytokeratin pair found in simple epithelia such as that found in the liver, intestine and breast ducts. CK18 plays an important role in maintaining epithelial cell integrity.</p>
--------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

This clone has also been demonstrated to cross-react with cytokeratin 19.

Histology Positive Control Tissue	Human bladder
------------------------------------------	---------------

Western Blotting	HCA077A detects bands of approximately 42 and 45 kDa in HT-29 cell lysates
-------------------------	----------------------------------------------------------------------------

Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Guarantee	12 months from date of despatch
------------------	---------------------------------

Acknowledgements	<p>Sold under license of U.S. Patents 6753136, 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad, Zeppelinstr. 4, 82178 Puchheim, Germany.</p> <p>His-tag is a registered trademark of EMD Biosciences.</p>
-------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Health And Safety	Material Safety Datasheet documentation #10094 available at:
--------------------------	--------------------------------------------------------------

Information	10094: https://www.bio-rad-antibodies.com/uploads/MSDS/10094.pdf
Licensed Use	For in vitro research purposes only, unless otherwise specified in writing by Bio-Rad.
Regulatory	For research purposes only
Technical Advice	Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the HuCAL Antibodies Technical Manual

Related Products

Recommended Secondary Antibodies

Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA5995...) [HRP](#)

Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA1396...) [Alk. Phos.](#), [Biotin](#)

Mouse Anti Human C-MYC (MCA2200...) [Alk. Phos.](#), [Biotin](#), [HRP](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------	------------------	-------------------------------------------------------------------------------------------------------------------------------------------------	---------------	-----------------------------------------------------------------------------------------------------------------------------------------------------

From March 15, 2021, we will no longer supply printed datasheets with our products.
Look out for updates on how to access your digital version at [bio-rad-antibodies.com](https://www.bio-rad-antibodies.com)

'M336750:181214'

Printed on 09 Feb 2021