

Datasheet: HCA077

Description:	HUMAN ANTI HUMAN CYTOKERATIN 18/19
Specificity:	CYTOKERATIN 18/19
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD03748
Isotype:	HuCAL Fab bivalent
Quantity:	0.1 mg

Product Details

RRID AB_2133183

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 *E. coli*. 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 Stabilisers 0.01% Thiomersal

Approx. Protein Concentrations Antibody concentration 0.5 mg/ml

Immunogen	Recombinant human cytokeratin 18.
External Database Links	<p>UniProt:</p> <p>P05783 Related reagents</p> <p>P08727 Related reagents</p> <p>Entrez Gene:</p> <p>3875 KRT18 Related reagents</p> <p>3880 KRT19 Related reagents</p>
Synonyms	CYK18
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> <p>This clone has also been demonstrated to cross-react with cytokeratin 19.</p>
Histology Positive Control Tissue	Human bladder
Western Blotting	HCA077 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. His-tag is a registered trademark of EMD Biosciences.</p>
Health And Safety Information	<p>Material Safety Datasheet documentation #10094 available at: 10094: https://www.bio-rad-antibodies.com/uploads/MSDS/10094.pdf</p>
Licensed Use	For in vitro research purposes only, unless otherwise specified in writing by Bio-Rad.
Regulatory	For research purposes only
Technical Advice	<p>Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the HuCAL Antibodies Technical Manual</p>

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](#)

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