

Datasheet: HCA079

Description:	HUMAN ANTI HUMAN CYTOKERATIN 19
Specificity:	CYTOKERATIN 19
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	3765
Isotype:	HuCAL Fab bivalent
Quantity:	0.1 mg

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			▪	
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 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 lyophilised.
Reconstitution	Reconstitute with 1.0ml distilled water
Preparation	Metal chelate affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin
Approx. Protein	Total protein concentration 0.1mg/ml

Concentrations

Immunogen	Recombinant human cytokeratin 19
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External Database Links

UniProt:

[P08727](#)

[Related reagents](#)

Entrez Gene:

[3880](#)

KRT19

[Related reagents](#)

Specificity

Human anti Human Cytokeratin 19 antibody, clone 3765 recognizes human cytokeratin 19 (CK19), which is the smallest acidic type I intermediate filament with a molecular weight of 40kD. The intermediate filaments are generally expressed as heterodimers at the cell surface. Cytokeratin 19 (CK19) is often co-expressed with cytokeratin 8 (CK8). Cytokeratin 19 is widely expressed in simple epithelium, the basal cells of squamous epithelium and some carcinomas.

Histology Positive Control Tissue

Human bladder

Storage

Prior to reconstitution store at +4°C.

After reconstitution store at -20°C.

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

12 months from date of reconstitution.

Acknowledgements

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.

Health And Safety Information

Material Safety Datasheet documentation #10041 available at <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.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 Human C-MYC (MCA2200...) [Alk. Phos.](#), [Biotin](#), [HRP](#)

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

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