

Datasheet: HCA078

Description:	HUMAN ANTI HUMAN CYTOKERATIN 14
Specificity:	CYTOKERATIN 14
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD03759
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)	■			1/25 - 1/50
ELISA	■			
Immunoprecipitation			■	
Western Blotting	■			1/1000

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 Stabilisers	0.01% Thiomersal
Approx. Protein Concentrations	Total protein concentration 0.5 mg/ml

Immunogen Recombinant human cytokeratin 14

**External Database
Links**

UniProt:

[P02533](#) [Related reagents](#)

Entrez Gene:

[3861](#) KRT14 [Related reagents](#)

Specificity

Human anti Human Cytokeratin 14 antibody, clone AbD03759 recognizes human cytokeratin 14 (CK14), a 50kDa acidic type I intermediate filament. The intermediate filaments are expressed as heterodimers in epithelial tissues. CK14 is expressed in the basal compartment of all stratified squamous epithelia and is co-expressed with cytokeratin 5 (CK5). Mutations in the cytokeratin 5 (KRT5) and cytokeratin 14 (KRT14) genes have been identified in patients with the skin disorder Epidermolysis bullosa simplex (EBS). Clone AbD03759 is also known under the designation clone 3759.

**Histology Positive
Control Tissue**

Human bladder

Storage

Store at +4°C or at -20°C if preferred.
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 despatch.

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. His-tag is a registered trademark of EMD Biosciences.

**Health And Safety
Information**

Material Safety Datasheet documentation #10094 available at:
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 Human C-MYC (MCA2200...) [Alk. Phos.](#), [Biotin](#), [HRP](#)

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

**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

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