

Datasheet: MCA2706

Description:	MOUSE ANTI HUMAN CYTOKERATIN 7/17
Specificity:	CYTOKERATIN 7/17
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	C-46
Isotype:	IgG1
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)	▪			20 - 30ug/ml
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting	▪			2 - 3ug/ml

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 protein digestion pre-treatment of paraffin sections e.g. trypsin or pronase.

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Bovine, Pig</p> <p>Does not react with: Mouse, Rabbit, Rat</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
Product Form	Purified IgG - liquid

Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	HeLa cell cytoskeleton preparation.
External Database Links	<p>UniProt:</p> <p>Q04695 Related reagents</p> <p>P08729 Related reagents</p> <p>Entrez Gene:</p> <p>3872 KRT17 Related reagents</p> <p>3855 KRT7 Related reagents</p>
Synonyms	SCL
RRID	AB_2234503
Specificity	<p>Mouse anti Human Cytokeratin 7/17 antibody, clone C-46 recognizes a unique epitope shared by the intermediate filament keratins, cytokeratin 7 and cytokeratin 17, a ~54 kDa type II basic cytokeratin, and ~46 kDa type I acidic cytokeratin respectively.</p> <p>Cytokeratins are located in the intracytoplasmic cytoskeleton of epithelial tissues and their neoplasms, including the lungs, ovary and breast. Each keratin filament consists of at least one type I and one type II keratin chain, which then assemble to form a cytoskeletal network, extending from the surface of the nucleus to the cell membrane. The expression of a particular type of cytokeratin depends mainly on the type of epithelium and the development stage of the cell, including its corresponding malignant state. Immunohistochemical analysis of cytokeratin profiles is therefore a valuable tool for diagnosis and characterization, and this particular antibody could be useful for the evaluation of some stratified epithelia which express cytokeratin 17, but not cytokeratin 7.</p> <p>Mouse anti Human Cytokeratin 7/17 antibody, clone C-46 is reported as suitable for use in immunocytochemistry (Bartek <i>et al.</i> 1991).</p>
Histology Positive Control Tissue	Pancreas.
Western Blotting	MCA2706 detects bands of approximately 54kDa and 46kDa in HeLa cytoskeleton cell lysates under reducing conditions.

References	<p>1. Bártek, J. <i>et al.</i> (1991) A series of 14 new monoclonal antibodies to keratins: characterization and value in diagnostic histopathology. J Pathol. 164 (3): 215-24.</p> <p>2. Vojtěšek, B. <i>et al.</i> (1990) A panel of monoclonal antibodies to keratin no. 7: characterization and value in tumor diagnosis. Neoplasma. 37 (3): 333-42.</p>
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Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@680 , DyLight@800 , FITC , HRP
Goat Anti Mouse IgG (STAR70...)	FITC

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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