

Datasheet: MCA6434GA

BATCH NUMBER 174433

Description:	MOUSE ANTI HUMAN CYTOKERATIN (PAN REACTIVE)
Specificity:	CYTOKERATIN PAN REACTIVE
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	C-11
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 (1)	▪			1/100
Immunohistology - Frozen	▪			
Immunohistology - Paraffin (2)	▪			
Immunoprecipitation	▪			
Western Blotting	▪			
Immunofluorescence	▪			
Rare Cell / CTC Enumeration	▪			1/200

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)**Membrane permeabilization is required for this application. The use of Leucoperm (Product Code [BUF09](#)) is recommended for this purpose.**

(2)**This product requires protein digestion pre-treatment of paraffin sections e.g. trypsin or pronase.**

Target Species	Human
Species Cross Reactivity	Reacts with: Bovine Based on sequence similarity, is expected to react with:Mammals 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.

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	<0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Keratin-enriched preparation from human epidermoid carcinoma cell line A431
External Database Links	UniProt: P02538 Related reagents P05783 Related reagents P13645 Related reagents P13647 Related reagents P13646 Related reagents P19013 Related reagents P48668 Related reagents P04259 Related reagents P05787 Related reagents Entrez Gene: 3853 KRT6A Related reagents 3875 KRT18 Related reagents 3851 KRT4 Related reagents 3852 KRT5 Related reagents 3858 KRT10 Related reagents 3860 KRT13 Related reagents 3854 KRT6B Related reagents 3856 KRT8 Related reagents 286887 KRT6C Related reagents
Synonyms	CYK18, CYK4, CYK8, K6A, K6B, KPP, KRT6D, KRT6E, KRTL1
Specificity	Mouse anti human cytokeratin (Pan reactive) antibody, clone C-11 recognizes the human cytokeratins 4, 5, 6, 8, 10, 13 and 18. Cytokeratins, also known as keratins, form a subfamily of cytoplasmic proteins expressed

in epithelial cells where they form intermediate filaments responsible for providing cells resistance to mechanical stress. Cytokeratins are characterized by their remarkable biochemical diversity, with epithelial tissues expressing at least 20 different cytokeratins (cytokeratin 1 to 20) divided into type I cytokeratins (acidic cytokeratins 9 to 20) and type II cytokeratins (basic to neutral cytokeratins 1 to 8) subfamilies. Cytokeratin expression profile is largely specific to particular organs and tissues and their development stage. That tissue-specific expression profile of cytokeratins is usually retained upon epithelial cell transformation and is therefore used in clinic to identify the cells from which carcinomas originated from.

Mouse anti Human Cytokeratin (Pan reactive) antibody, clone C-11, has been validated for use on the [Genesis Cell Isolation System with the CelSelect Slide™ technology](#).

Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul.
References	1. Bártková, J.<i>et al.</i> (1991) Effects of tissue fixation conditions and protease pretreatment on immunohistochemical performance of a large series of new anti-keratin monoclonal antibodies: value in oncopathology. Neoplasma. 38:439-446. 2. Hoefler, R.S. & , Kudva, I.T. (2021) EDL933 Strains of Escherichia coli O157 can Demonstrate Genetic Diversity and Differential Adherence to Bovine Recto-Anal Junction Squamous Epithelial Cells The Open Microbiology Journal. 15 (1): 129-38. 3. Kudva, I.T. <i>et al.</i> (2023) Bovine Rectoanal Junction <i>In Vitro</i> Organ Culture Model System to Study Shiga Toxin-Producing <i>Escherichia coli</i> Adherence. Microorganisms. 11 (5): 1289. 4. Peroutka-Bigus, N. <i>et al.</i> (2024) Phenotypic and genomic comparison of three human outbreak and one cattle-associated Shiga toxin-producing <i>Escherichia coli</i> O157:H7. Microbiol Spectr. : e0414023. 5. Kudva, I.T. <i>et al.</i> (2026) The carbon starvation-inducible lipoprotein (Slp) influences differential adherence of <i>Escherichia coli</i> O157:H7 at the bovine rectoanal junction. PLoS Pathog. 22 (5): e1013584.
Storage	This product is shipped at ambient temperature. Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch.
Acknowledgements	CelSelect Slides is a trademark of Bio-Rad Laboratories, Inc. in certain jurisdictions
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6434GA
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

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

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M441221:250523'

Printed on 12 Aug 2026