

Datasheet: MCA2612

BATCH NUMBER 166049

Description:	MOUSE ANTI HUMAN CLUSTERIN
Specificity:	CLUSTERIN
Other names:	APOLIPOPROTEIN J
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	3R3/2
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			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			
Functional Assays			▪	

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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from ascites
Buffer Solution	Borate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)

Approx. Protein Concentrations	Current, batch-specific concentration 1.0 mg/ml
Immunogen	Glomerular basement membrane from a post-mortem kidney.
External Database Links	<p>UniProt: P10909 Related reagents</p> <p>Entrez Gene: 1191 CLU Related reagents</p>
Synonyms	APOJ, CLI, KUB1
RRID	AB_2260877
Specificity	<p>Mouse anti Human clusterin antibody, clone 3R3/2 recognizes clusterin, an ubiquitously expressed protein of two 40 kDa chains, alpha and beta, covalently joined by disulfide bonds. It exists in two forms; a pro-apoptotic form localised to the nucleus and a pro-survival secreted form. Both are thought to be involved in DNA repair and cell cycle regulation. The secreted form is thought to inhibit apoptotic signalling by BAX, Clusterin suppression can sensitise cells to chemotherapy. Clusterin is overexpressed in human prostate cancer, breast cancers and squamous cell carcinomas.</p> <p>Part of the SC5b-9 complex, clusterin prevents the binding of a C5b-C7 complex to the membrane of the target cell inhibiting the complement cascade. Clusterin acts as an extracellular chaperone inhibiting the formation of human lysozyme amyloid associated with Alzheimer's disease. Clusterin is also important in spermatogenesis and is secreted by Sertoli cells.</p>
Histology Positive Control Tissue	Kidney from post streptococcal glomerulonephritis patients.
References	<p>1. Kumita, J.R. <i>et al.</i> (2007) The extracellular chaperone clusterin potently inhibits human lysozyme amyloid formation by interacting with prefibrillar species. J Mol Biol. 369 (1): 157-67.</p> <p>2. Shannan, B. <i>et al.</i> (2006) Clusterin and DNA repair: a new function in cancer for a key player in apoptosis and cell cycle control. J Mol Histol. 37 (5-7): 183-8.</p>
Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	Guaranteed until date of expiry. Please see product label.
Health And Safety	Material Safety Datasheet documentation #10077 available at:

Information <https://www.bio-rad-antibodies.com/SDS/MCA261210077>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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