

Datasheet: MCA6216GA

BATCH NUMBER 100005287

Description:	MOUSE ANTI HUMAN A2M
Specificity:	A2M
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	M17
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
ELISA	▪			1.0 ug/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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> derived recombinant human A2M (Ser24-Ala1474)

External Database Links	UniProt: P01023 Related reagents Entrez Gene: 2 A2M Related reagents
Synonyms	CPAMD5
Fusion Partners	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
Specificity	<p>Mouse anti Human A2M antibody, clone M17, recognizes alpha-2-macroglobulin (A2M), also known as CPAMD5. A2M is a major proteinase inhibitor, with the ability to bind most proteinases and many growth factors, hormones and cytokines in human blood and tissue (Kurz et al. 2017). A2M is largely produced by the liver under conditions of stress, and is then secreted into the blood and extracellular spaces. It is also produced locally by macrophages, fibroblasts, and epithelial cells (Kim et al. 2017).</p> <p>A2M levels dramatically decrease as humans age, a process which has been hypothesized to facilitate tumor development. In naked mole rats, a species with pronounced resistance to cancer, A2M has been shown to inhibit tumor growth regardless of tumor origin (Kurz et al. 2017).</p> <p>The purified Mouse anti Human A2M antibody, clone M17 (MCA6216GA) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human A2M antibody, clone M5 (MCA6217B) as the detection antibody.</p>
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6216GA</p> <p>10040</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

- Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
- Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)
- Goat Anti Mouse IgG (STAR76...) [RPE](#)

Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@550](#),
[DyLight@650](#), [DyLight@680](#), [DyLight@800](#),
[FITC](#), [HRP](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

ELISA Matched Pair - Detection Antibody

[MOUSE ANTI HUMAN A2M:Biotin \(MCA6217B\)](#)

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
----------------------------------	---	------------------	---	---------------	---

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M380408:210511'

Printed on 05 Apr 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)