

Datasheet: MCA6036

BATCH NUMBER 162394

Description:	MOUSE ANTI GATA3
Specificity:	GATA3
Other names:	GATA-BINDING FACTOR 3
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	1A12-1D9
Isotype:	IgG1
Quantity:	50 µg

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
Immunohistology - Paraffin (1)	▪			1/200 - 1/2000
Immunoprecipitation	▪			5 µg
Western Blotting	▪			1/1000
Immunofluorescence	▪			1/50 - 1/100
Immunocytochemistry	▪			1/50 - 1/100

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 antibody requires heat-mediated antigen retrieval prior to staining. Citrate buffer pH6.0 is recommended for this purpose.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Rat

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
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃) 1 mg/ml Bovine Serum Albumin 30% Glycerol
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Purified partial recombinant recombinant human GATA3 protein expressed in <i>E. coli</i>
External Database Links	<p>UniProt: P23771 Related reagents</p> <p>Entrez Gene: 2625 GATA3 Related reagents</p>
Specificity	<p>Mouse anti GATA3 antibody clone 1A12-1D9 recognizes GATA3 also known as trans-acting T-cell-specific transcription factor GATA-3 or GATA-binding factor 3.</p> <p>The GATA3 protein is a member of the GATA family of transcription factors which has received its name from binding DNA sequences containing the GATA consensus motif 5'-[AT]GATA[AG]-3' (P15976). GATA3 has been shown to play a critical role in T cell development and the differentiation of T helper 2 (Th2) cells (Ho et al. 1991). In addition, GATA3 has been implied to have tissue specific functions such as a regulatory role in the development of the mammary gland epithelium and skin tissue (Chou et al. 2010).</p> <p>Aberrant GATA3 levels have also been identified in a variety of cancers including breast cancer. Indeed, GATA3 has become a marker for certain breast cancer types and GATA3 antibodies are commonly used for the immunohistochemical evaluation of breast cancer samples (Krings et al. 2014).</p>
Western Blotting	Mouse anti GATA3 antibody recognizes a band of approximately 55 kDa in SH-SY5Y cell lysate and SH-SY5Y nuclear extract
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	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10048 available at:

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

North & South Tel: +1 800 265 7376

America 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](https://www.bio-rad-antibodies.com/datasheets)

'M389677:210806'

Printed on 25 Mar 2023