

Datasheet: MCA6036

BATCH NUMBER 160223

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	0.05% 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>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	Material Safety Datasheet documentation #10048 available at: https://www.bio-rad-antibodies.com/SDS/MCA6036

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

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