

Datasheet: MCA6036

BATCH NUMBER 162394

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|----------------------|-----------------------|
| 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.

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| Target Species | Human |
| Species Cross Reactivity | <p>Reacts with: Mouse, Rat</p> <p>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.</p> |
| Product Form | Purified IgG - liquid |

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|---|--|
| 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

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|---|---|
| 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 |
| Rabbit Anti Mouse IgG (STAR13...) | HRP |
| Goat Anti Mouse IgG (Fc) (STAR120...) | FITC , HRP |
| Rabbit Anti Mouse IgG (STAR9...) | FITC |
| Goat Anti Mouse IgG (STAR77...) | HRP |
| Goat Anti Mouse IgG (H/L) (STAR117...) | Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP |

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