

Datasheet: VMA00049

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|----------------------|------------------------|
| Description: | MOUSE ANTI ACTIN GAMMA |
| Specificity: | ACTIN GAMMA |
| Other names: | ACTG1 |
| Format: | Purified |
| Product Type: | PrecisionAb Monoclonal |
| Clone: | 2A3 |
| Isotype: | IgG2b |
| Quantity: | 100 µl |

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 |
|------------------|-----|----|----------------|--------------------|
| Western Blotting | ▪ | | | 1/1000 |

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: African green monkey , 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

Mouse monoclonal antibody purified by affinity chromatography on Protein A from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

| | |
|---------------------------------------|---|
| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) |
| Approx. Protein Concentrations | IgG concentration 0.5 mg/ml |
| Immunogen | Synthetic peptide corresponding to the N-terminal nonapeptide of gamma-cytoplasmic actin coupled to KLH |
| External Database Links | <p>UniProt: P63261 Related reagents</p> <p>Entrez Gene: 71 ACTG1 Related reagents</p> |
| Synonyms | ACTB, ACTG |
| Specificity | <p>Mouse anti Human actin gamma antibody recognizes cytoplasmic actin gamma, a 375 amino acid cytoskeletal protein also known as ACTG and gamma actin.</p> <p>Actins are highly conserved proteins that are involved in cell motility, structure and integrity and are ubiquitously expressed in all eukaryotic cells. Six different isoforms of actin have been identified (Vandekerckhove and Weber 1978). Mouse anti Human actin gamma antibody is highly specific for actin gamma and does not react with other actin isoforms.</p> <p>Mouse anti Human actin gamma antibody recognizes actin gamma as a single band of ~42 kDa in multiple human cell line lysates by western blotting under reducing conditions.</p> |
| Western Blotting | Anti actin gamma antibody detects a band of approximately 42 kDa in HeLa cell lysates. |
| Storage | Store undiluted at -20°C, avoiding repeated freeze thaw cycles. |
| Guarantee | 12 months from date of despatch |
| Acknowledgements | PrecisionAb is a trademark of Bio-Rad Laboratories. |
| Health And Safety Information | Material Safety Datasheet documentation #10040 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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|----------------------------------|---|------------------|---|---------------|---|
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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

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