

Datasheet: MCA3436Z

BATCH NUMBER 170775

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|----------------------|---|
| Description: | MOUSE ANTI HUMAN S100A4:Preservative Free |
| Specificity: | S100A4 |
| Format: | Preservative Free |
| Product Type: | Monoclonal Antibody |
| Clone: | 1F12-1G7 |
| 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 |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry | | | ▪ | |
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | | | ▪ | |
| Immunoprecipitation | | | ▪ | |
| Western Blotting | ▪ | | | 0.1 - 10 ug/ml |
| Immunofluorescence (1) | ▪ | | | 0.1 - 10 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.

(1) This product requires fixation of cells for 15 minutes. 4 % paraformaldehyde solution (NaOH in PBS) pH 7.4 is recommended for this purpose.

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|---------------------------------|---|
| Target Species | Human |
| Species Cross Reactivity | <p>Reacts with: Mouse</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 from ascites |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | None present |
| Approx. Protein Concentrations | IgG concentration 0.5 mg/ml |
| Immunogen | Recombinant protein with a GST tag corresponding to amino acids 1 - 102 of human S100A4 |
| External Database Links | <p>UniProt: P26447 Related reagents</p> <p>Entrez Gene: 6275 S100A4 Related reagents</p> |
| Synonyms | CAPL, MTS1 |
| RRID | AB_2183771 |
| Fusion Partners | Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line. |
| Specificity | Mouse anti Human S100A4 antibody, clone 1F12-1G7 recognizes human S100A4, also known as S100 calcium-binding protein A4, a member of the S-100 protein family containing two EF-hand calcium-binding domains. S100A4 may play a role in motility, invasion and tubulin polymerization and is also involved in tumor metastasis. |
| Western Blotting | MCA3436Z detects a band of approximately 10 kDa in HeLa cell lysates |
| Storage | Store at -20°C only. Storage in frost-free freezers is not recommended. 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. |
| Guarantee | 12 months from date of despatch |
| Health And Safety Information | Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/MCA3436Z |
| 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](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
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](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

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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