

Datasheet: VMA00199

BATCH NUMBER 240615

| | |
|----------------------|------------------------|
| Description: | MOUSE ANTI S100A9 |
| Specificity: | S100A9 |
| Format: | Purified |
| Product Type: | PrecisionAb Monoclonal |
| Clone: | OTI10D5 |
| Isotype: | IgG2a |
| 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 |
| Product Form | Purified IgG - liquid |
| Preparation | Mouse monoclonal antibody purified by affinity chromatography from ascites. |
| Buffer Solution | Phosphate buffered saline |
| Preservative | 0.09% Sodium Azide (NaN ₃) |
| Stabilisers | 1% Bovine Serum Albumin 50% Glycerol |
| Immunogen | Full length recombinant human S100A9 (NP_002956) produced in SF9 cells |

**External Database
Links**

UniProt:

[P06702](#) [Related reagents](#)

Entrez Gene:

[6280](#) S100A9 [Related reagents](#)

Synonyms

CAGB, CFAG, MRP14

Specificity

Mouse anti Human S100A9 antibody, clone OTI10D5 recognizes S100A9, also known as MRP-14, S100 calcium-binding protein A9 (calgranulin B), calgranulin B, calgranulin-B, calprotectin L1H subunit, leukocyte L1 complex heavy chain and migration inhibitory factor-related protein 14.

The protein encoded by the S100A9 gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in the inhibition of casein kinase and altered expression of this protein is associated with the disease cystic fibrosis (provided by RefSeq, Jul 2008).

Mouse anti Human S100A9 antibody, clone OTI10D5 detects a band of 13 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti S100A9 detects a band of approximately 13 kDa in MCF7 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 #10048 available at:
<https://www.bio-rad-antibodies.com/SDS/VMA00199>
Antibody (10048)

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

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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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