

Datasheet: VMA00218

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|----------------------|------------------------------------|
| Description: | MOUSE ANTI GLUCOCORTICOID RECEPTOR |
| Specificity: | GLUCOCORTICOID RECEPTOR |
| Format: | Purified |
| Product Type: | PrecisionAb Monoclonal |
| Clone: | OTI2C4 |
| 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 |
| Product Form | Purified IgG - liquid |
| Preparation | Mouse monoclonal antibody purified by affinity chromatography from ascites |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 50% Glycerol |
| Approx. Protein Concentrations | IgG concentration 0.5 mg/ml |
| Immunogen | Recombinant protein corresponding to amino acids 1-265 of human glucocorticoid |

receptor produced in *E. coli*

External Database**Links****UniProt:**

[P04150](#) [Related reagents](#)

Entrez Gene:

[2908](#) NR3C1 [Related reagents](#)

Synonyms

GRL

Specificity

Mouse anti Human glucocorticoid receptor antibody, clone OTI2C4 recognizes the glucocorticoid receptor, also known as glucocorticoid nuclear receptor variant 1.

Encoded by the NR3C1 gene, the glucocorticoid receptor can function both as a transcription factor that binds to glucocorticoid response elements in the promoters of glucocorticoid responsive genes to activate their transcription, and as a regulator of other transcription factors. This receptor is typically found in the cytoplasm, but upon ligand binding, is transported into the nucleus. It is involved in inflammatory responses, cellular proliferation, and differentiation in target tissues. Mutations in NR3C1 are associated with generalized glucocorticoid resistance. Alternative splicing of NR3C1 results in transcript variants encoding either the same or different isoforms. Additional isoforms resulting from the use of alternate in-frame translation initiation sites have also been described, and shown to be functional, displaying diverse cytoplasm-to-nucleus trafficking patterns and distinct transcriptional activities ([Lu & Cidlowski 2005](#)).

Mouse anti Human glucocorticoid receptor antibody, clone OTI2C4 detects a band of 94 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti glucocorticoid receptor detects a band of approximately 94 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 #10048 available at:
Antibody (10048): <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.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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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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