### Datasheet: MCA2469

#### Description:
MOUSE ANTI HUMAN GLUCOCORTICOID RECEPTOR

#### Specificity:
GLUCOCORTICOID RECEPTOR

#### Format:
Purified

#### Product Type:
Monoclonal Antibody

#### Clone:
5E4

#### Isotype:
IgG1

#### Quantity:
0.2 mg

#### RRID
AB_10844347

### 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](http://www.bio-rad-antibodies.com/protocols).

<table>
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<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

(1) **Membrane permeabilisation is required for this application. Bio-Rad recommends the use of Leucoperm™ (Product Code BUF09) for this purpose.**

#### Target Species
Human

#### Species Cross Reactivity
Reacts with: Mouse

**N.B.** Antibody reactivity and working conditions may vary between species.

#### Product Form
Purified IgG - liquid

#### Preparation
Purified IgG prepared by affinity chromatography

#### Buffer Solution
Phosphate buffered saline

#### Preservative Stabilisers
0.1% Sodium Azide (NaN₃)

#### Approx. Protein Concentrations
IgG concentration 1 mg/ml

#### Immunogen
26 amino acid peptide corresponding to residues 150-176 on human GCR linked to thyroglobulin.
Spleen cells from immunised Balb/c mice were fused with cells of the mouse Sp-2/0 Ag14 myeloma cell line.

Mouse anti Human Glucocorticoid Receptor antibody, clone 5E4 recognizes the human glucocorticoid receptor, also known as Nuclear receptor subfamily 3 group C member 1 (NR3C1), a 777 amino acid receptor bearing 3 distinct functional domains, an N-terminal modulating domain, a DNA binding domain and a C-terminal steroid binding domain. The human glucocorticoid receptor is located either in the cytoplasm of cells, prior to ligand binding associated with certain heat shock proteins (Kino et al. 2009), or the nucleus following binding to ligand (Werb et al. 1978).

Mutations in the glucocorticoid receptor gene can lead to familial glucocorticoid resistance, characterized by elevated plasma cortisol levels (Malchoff et al. 1993).

Mouse anti human glucocorticoid receptor antibody, clone 5E4 has been demonstrated to cross-react with the murine glucocorticoid receptor (Bergquist et al. 2014).

Flow Cytometry

Use 10μl of the suggested working dilution to label 1x10⁶ cells in 100μl.

References

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. This product is photosensitive and should be protected from light.
Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

18 months from date of despatch.

Health And Safety Information


Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) Alk. Phos., HRP
Goat Anti Mouse IgG (STAR77...) HRP
Rabbit Anti Mouse IgG (STAR12...) RPE
Rabbit Anti Mouse IgG (STAR8...) DyLight®800
Rabbit Anti Mouse IgG (STAR13...) HRP
Goat Anti Mouse IgG (STAR76...) RPE
Goat Anti Mouse IgG (STAR70...) FITC
Goat Anti Mouse IgG (Fc) (STAR120...) FITC, HRP
Rabbit Anti Mouse IgG (STAR9...) FITC
Goat Anti Mouse IgG (H/L) (STAR117...) Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)