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Monoclonal Antibody to Glucocorticoid receptor - FITC

Alternate names: GR, GRL, NR3C1

Catalog No.: AM01131FC-N

Quantity: 0.1 mg

Concentration: 0.1 mg/ml

Background: Steroid receptors are ligand-dependent, intracellular proteins that stimulate transcription of specific genes by binding to specific DNA sequences following activation by the appropriate hormone. Glucocorticoids are a family of steroids necessary for the regulation of energy metabolism and the immune and inflammatory responses. These compounds exert their effect through their interaction with the glucocoticoid receptor (GR) and that complex's subsequent association with DNA. All normal mammalian tissues examined to date have been shown to contain glucocorticoid receptor.

Uniprot ID: P04150

NCBI: NP_000167.1

GeneID: 2908

Host / Isotype: Mouse / IgG1

Clone: 5E4

Immunogen: 26 amino acid peptide corresponding to residues 150-176 on Human GCR linked to thyroglobulin

Format:
State: Liquid purified IgG fraction
Purification: Ion Exchange Chromatography
Buffer System: PBS, pH 7.4, containing
Preservatives: 0.09% Sodium Azide
Stabilizers: 1% BSA
Label: FITC

Applications:
Flow Cytometry: Use 10 µl of neat-1/10 diluted antibody to label 10^6 cells.
Membrane permeabilisation is required for this application.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody recognises a glucocorticoid receptor, located in the cytoplasm of cells and associated with certain heat shock proteins.
Species: Human.
Other species not tested.

Storage:

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
This product is photosensitive and should be protected from light.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:

1. Berki T, Kumánovics G, Kumánovics A, Falus A, Ujhelyi E, Németh P. Production and flow cytometric application of a monoclonal anti-glucocorticoid receptor antibody. J Immunol Methods. 1998 May 1;214(1-2):19-27. PubMed PMID: 9692855.
2. Kim SY, Lee KY, Jeong DC, Kim HK. Effect of p16 on glucocorticoid response in a B-cell lymphoblast cell line. Korean J Pediatr. 2010 Jul;53(7):753-8. doi: 10.3345/kjp.2010.53.7.753. Epub 2010 Jul 31. PubMed PMID: 21189951.