

Mouse anti-Mouse GLUCOCORTICOID RECEPTOR Monoclonal Antibody | anti-NR3C1 antibody

MOUSE ANTI HUMAN GLUCOCORTICOID RECEPTOR:FITC

CATALOG # AAA49104	HOST Mouse	REACTIVITY Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

GLUCOCORTICOID RECEPTOR; Monoclonal Antibody; MOUSE ANTI HUMAN GLUCOCORTICOID RECEPTOR:FITC; anti-NR3C1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	5E4
Purity/Purification	Purified IgG prepared by ion exchange chromatography from tissue culture supernatant
Form/Format	FITC Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC)-Liquid Phosphate buffered saline
Concentration	IgG concentration 0.1 mg/ml (varies by lot)
Sequence Length	777
Applicable Applications for anti-NR3C1 antibody	FCM/FACS (Flow Cytometry)
Perservative Stabilisers	<0.01% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin Preparation
Immunogen	26 amino acid peptide corresponding to residues 150-176 on human GCR linked to thyroglobulin. Fusion Partners
Target Species	Human
Max Ex/Em	Fluorophore : FITC Excitation Max (nm): 490 Emission Max (nm): 525
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the mouse Sp-2/0 Ag14 myeloma cell line.
Preparation and Storage	The product is shipped at ambient tempeture. It is recommended to aliquot and store at -20°C on receipt. When thawed , aliquot the smaple as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks)and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

ADDITIONAL INFORMATION

Related Product Information for anti-NR3C1 antibody	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)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504133
NCBI GeneID	2908
NCBI Accession #	NP_000167.1
NCBI GenBank Nucleotide #	NM_000176.2
UniProt Accession #	P04150; P04151; Q53EP5; Q6N0A4; A0ZXF9; B0LPG8; D3DQF4
NCBI Official Full Name	glucocorticoid receptor isoform alpha
NCBI Official Synonym Full Names	nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)
NCBI Official Symbol	NR3C1
NCBI Official Synonym Symbols	GR; GCR; GRL; GCCR; GCRST
NCBI Protein Information	glucocorticoid receptor; glucocorticoid nuclear receptor variant 1
UniProt Protein Name	Glucocorticoid receptor
UniProt Gene Name	NR3C1
UniProt Synonym Gene Names	GRL; GR
UniProt Entry Name	GCR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.