

DESCRIPTION

Species Reactivity	Human/Rat
Specificity	Detects human GR/NR3C1 in direct ELISAs. Detects human and rat GR/NR3C1 in Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 1006903
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human GR/NR3C1 Val271-Lys777 Accession # P04150
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

GR is a glucocorticoid receptor that is expressed in almost every cell in the body and regulates genes controlling development, metabolism and the immune response. The unbound receptor resides in the cytosol of the cell, but upon binding to glucocorticoids, it is translocated to the nucleus where it regulates gene transcription. The activated GR complex up-regulates the expression of anti-inflammatory proteins in the nucleus or acts to repress the expression of pro-inflammatory proteins in the cytosol. It is also involved in chromatin remodeling and plays a role in rapid mRNA degradation.

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