

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CREG in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant mouse CREG is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 299133
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human CREG Arg32-Gln220 Accession # O75629
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.

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

CREG is a secreted glycoprotein that belongs to the CREG protein family. It is induced during differentiation of pluripotent cells and is ubiquitously expressed in adult tissues. Mannose-6 phosphate (M6P) modified CREG binds directly to the M6P/IGF2 receptor to inhibit cell growth (1). Human and mouse CREG share approximately 77% amino acid sequence homology.

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