

DESCRIPTION

Species Reactivity	Human
Specificity	Detects both the pro and mature forms of human Relaxin-2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) Relaxin-1 or rhRelaxin-3 is observed.
Source	Monoclonal Rat IgG ₁ Clone # 349102
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Relaxin-2 Val23-Cys185 Accession # P04090
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.

Neutralization	Optimal dilution of this antibody should be experimentally determined.
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

Human Relaxin-2/H2 is a 6 kDa member of the insulin/relaxin gene superfamily. Relaxin-2 is synthesized as a 185 aa preprohormone that is proteolytically processed into a nonglycosylated, disulfide-linked, 53 aa mature heterodimer that contains a 29 aa B chain (aa 25-53) and a 24 aa A chain (aa 161-185). An alternate splice form of human Relaxin-2 is known that contains the B chain and an uncleaved 47 aa extension. Mature human Relaxin-2 heterodimer is 48%, 44% and 43% aa identical to rat, canine and porcine Relaxin-2, respectively.

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