**BACKGROUND**

Relaxin 1 (also referred to as Relaxin or RLXH1) is a peptide hormone produced by the corpora lutea of the ovary during pregnancy in many mammalian species, including human. The secretion of the hormone into the blood stream just before parturition results in a marked softening and lengthening of the pubic symphysis and a softening of the cervix, which facilitates the birth process. By inhibiting uterine contractions, Relaxin 1 may influence the timing of parturition. Like insulin, Relaxin 1 consists of two peptide chains, A and B, covalently linked by disulfide bonds. By further analogy to insulin, the two peptides are synthesized as a single-chain precursor polypeptide with the B chain at the amino-terminus. The gene that encodes the human Relaxin 1 protein maps to chromosome 9. Relaxin 2, a related protein, is selectively expressed in the ovary during pregnancy. The gene that encodes the human Relaxin 2 protein also maps to chromosome 9.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: RLN2 (human) mapping to 9p24.1.

**SOURCE**

Relaxin 2 (fred) is a mouse monoclonal antibody raised against full length Relaxin 2 of human origin.

**PRODUCT**

Each vial contains 100 µg IgG1 in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

**APPLICATIONS**

Relaxin 2 (fred) is recommended for detection of Relaxin 2 of human origin by FCM and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with human Relaxin 1.

Suitable for use as control antibody for Relaxin 2 siRNA (h): sc-63336, Relaxin 2 shRNA Plasmid (h): sc-63336-SH and Relaxin 2 shRNA (h) Lentiviral Particles: sc-63336-V.

Molecular Weight of precursor Relaxin 2: 21 kDa.

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.

**PROTOCOLS**

See our web site at www.scbt.com for detailed protocols and support products.

**STORAGE**

Store at 4°C. **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.