

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CRISP-4 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 5% cross-reactivity with recombinant mouse CRISP-1, -2, and -3 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant mouse CRISP-4 Leu23-Lys250 Accession # NP_084309
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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

CRISP-4 (cysteine-rich secretory protein 4) is a secreted, 31 kDa member of the CRISP family of proteins. In mouse, its expression is limited to the epididymis, seminal vesicle and vas deferens and it appears to bind to differentiating sperm. Mature mouse CRISP-4 is 230 amino acids (aa) in length. It contains an SCP (sperm coating protein) region (aa 42-178) followed by a C-terminal CRISP domain (aa 196-250). There appears to be an alternate start site four amino acids upstream of the standard start site. Over aa 22-550, mouse CRISP-4 shares 90% aa identity with rat CRISP-4 and 64% aa identity with human CRISP-1, the human ortholog to mouse CRISP-4.

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