

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CRELD1 in direct ELISAs and Western blots. In Western blots, approximately 15% cross-reactivity with recombinant human CRELD1 is observed and less than 5% cross-reactivity with recombinant mouse CRELD2 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse CRELD1 Gln30-Glu362 Accession # Q91XD7
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.
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

CRELD1 (cysteine-rich with EGF-like domain protein 1) is an integral membrane protein that functions as a cell adhesion molecule. It is synthesized as a 420 amino acid (aa) precursor with an N-terminal signal peptide, a large extracellular domain (ECD) with two EGF-like repeats that flank two consecutive furin-like repeats, two-transmembrane domains separated by one cytoplasmic residue, and a short extracellular C-terminal domain. CRELD1 null-mouse fails to develop a normal heart and missense mutations in human CRELD1 have also been associated with atrioventricular septal defects. The N-terminal ECD of mouse CRELD1 shares 97% and 92% aa sequence identity with the ECD of rat and human CRELD1, respectively.

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