

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CRELD-1 in ELISA.
Source	Monoclonal Mouse IgG _{2B} Clone # 842314
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human CRELD-1 Gln30-Glu362 Accession # Q96HD1
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 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.

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, also known as cirrin, 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 with two EGF-like repeats, 2 transmembrane domains separated by a very short cytoplasmic loop, and a short extracellular C-terminal domain. An alternatively spliced isoform with a unique C-terminus that lacks the transmembrane domains has also been cloned. Missense mutations in CRELD1 have been associated with atrioventricular septal defects. The N-terminal extracellular domain of human and mouse CRELD1 share 92% aa sequence identity.

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