

## Anti-Cardiotin [SR-3] Standard Size Ab03332-21.0

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

**Isotype and Format:** Mouse IgM, Kappa

**Clone Number:** SR-3

**Alternative Name(s) of Target:**

**UniProt Accession Number of Target Protein:**

**Published Application(s):** WB, IF

**Published Species Reactivity:** Swine, Human

**Immunogen:** The original antibody was generated by immunizing a BALB/c mouse with the 100 kDa cardiotin subunit.

**Specificity:** The original antibody is specific for cardiotin. Cardiotin is a mitochondrion-associated protein, which is present in cardiomyocytes and skeletal muscle.

**Application Notes:** In immunofluorescence assays on cryostat sections of myocardium, the antibody showed the characteristic cardiotin staining pattern in cardiomyocytes. The antibody was reactive with the 60 kDa and the 100 kDa cardiotin subunits of the SR-enriched fraction of swine heart tissue in western blot analysis (Schaart et al., 1997; PMID: 9042960).

**Antibody First Published in:** Schaart et al. Biochemical characterization of cardiotin, a sarcoplasmic reticulum associated protein, FEBS Lett. 1997 Feb 17;403(2):168-72. [PMID:9042960](#)

**Note on publication:** The original paper describes the generation and characterization of the antibody.

## Product Form

**Size:** 50 µg Purified antibody.

**Purification:** Affinity Purified using a recombinant lectin column

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.