

## bs-9855R-PE-Cy5

### • Rabbit Anti-SLN/Sarcolipin Polyclonal Antibody, PE-Cy5 conjugated

Conjugated Primary Antibodies

#### Background:

Sarcolipin is a 31 amino acid integral membrane protein belonging to the sarcolipin family. The gene encoding for the protein maps to chromosome 11q22-q23. SLN, localizing to the sarcoplasmic reticulum, regulates Ca-ATPase activity in skeletal muscle. It associates with calcium ATPase SERCA1 (Sarco(endo)plasmic reticulum Ca<sup>2+</sup>-ATPases). In muscle tissue, SERCAs are regulated by sarcolipin and another membrane protein, phospholamban (PLN). SLN is expressed in high levels in fast-twitch muscle, which has high expression of SERCA1a, and in lower levels in cardiac muscle. In rats, however, expression of SLN is higher in cardiac muscle than in fast-twitch muscle.

**Purification:** Was purified by Protein A and peptide affinity chromatography.

#### Storage:

Aqueous buffered solution containing 100ug/ml BSA, 50% glycerol and less than 0.09% sodium azide. Store at -20°C for 12 months. Protect from light. [Product without BSA and/or sodium azide is available for special order.]

#### Reconstitution:

If the antibody is in liquid form, no reconstitution needed.

Reconstitution is only required for the lyophilized antibody. Please refer to the reconstitution instruction card in the package.

**Size:** 100ul

**Concentration:** 1ug/uL

**Host:** Rabbit

#### Reactivities:

Human, Mouse, Rat, Dog, Pig, Cow, Rabbit,

#### Application:

- IF(1:50-200)
- Not yet tested in other applications. Optimal working dilutions must be determined by the end user.

**Antibody Type:** Polyclonal

**Isotype:** IgG

**Molecular Weight:** 3.7kDa

#### Note:

For research use only. CAUTION: Not for human or animal therapeutic or diagnostic use.

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