



Recombinant Protein Technical Manual
Recombinant Mouse LAMP2/CD107b Protein (His
Tag)
RPES4504

Product Data:

Product SKU: RPES4504

Size: 50µg

Species: Mouse

Expression host: HEK293 Cells

Uniprot: P17047

Protein Information:

Molecular Mass: 40.6 kDa

AP Molecular Mass: 70-80 kDa

Tag: C-His

Bio-activity:

Purity: > 97 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: CD107b;Lamp-2;Lamp-2a;Lamp-2b;Lamp-2c;LampII;LGP-B;Mac3

Immunogen Information:

Sequence: Leu 26-Asn 379

Background:

LAMP2 (Lysosomal-associated membrane protein 2), also known as CD107b (Cluster of Differentiation 107b), is a member of a family of membrane glycoproteins. This glycoprotein provides selectins with carbohydrate ligands. In human, LAMP2, the causative gene of Danon disease, located on chromosome Xq24, encodes the lysosome-associated membrane protein-2 (LAMP-2). LAMP-2 deficiency, or Danon disease, is a rare X-linked lysosomal disease characterized by cardiomyopathy, vacuolar myopathy, and mental retardation. LAMP2 cardiomyopathy is an X-linked and highly progressive myocardial storage disorder associated with diminished survival, which clinically resembles sarcomeric hypertrophic cardiomyopathy.