



Recombinant Protein Technical Manual

Recombinant Rat CLEC5A/MDL1/MDL Protein (His Tag)

RPE5119

Product Data:

Product SKU: RPE5119

Size: 20µg

Species: Rat

Expression host: HEK293 Cells

Uniprot: F7GAV1

Protein Information:

Molecular Mass: 20.6 kDa

AP Molecular Mass: 36 kDa

Tag: N-His

Bio-activity:

Purity: > 95 % 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: CLEC5A

Immunogen Information:

Sequence: Val30-Lys190

Background:

CLEC5A, also known as MDL1 and MDL, is a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signalling, glycoprotein turnover, and roles in inflammation and immune response. CLEC5A with dnax-activation protein 12 and may play a role in cell activation. It also functions as a positive regulator of osteoclastogenesis. CLEC5A acts as a key regulator of synovial injury and bone erosion during autoimmune joint inflammation . The binding of dengue virus to CLEC5A triggers signaling through the phosphorylation of TYROBP, this interaction does not result in viral entry, but stimulates proinflammatory cytokine release.