



Recombinant Protein Technical Manual

Recombinant Human CLM-9/TREM4 Protein

RPES0193

Product Data:

Product SKU: RPES0193

Size: 20µg

Species: Human

Expression host: HEK293 Cells

Uniprot: AAH25395.1

Protein Information:

Molecular Mass: 25.5 kDa

AP Molecular Mass: 61-66 kDa

Tag:

Bio-activity:

Purity: > 95 % as determined by reducing 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: CMRF35-Like Molecule 9; CLM-9; CD300 Antigen-Like Family Member G; Triggering Receptor Expressed on Myeloid Cells 4; TREM-4; CD300g; CD300LG; CLM9; TREM4; NEPMUCIN

Immunogen Information:

Sequence: Met 1-Arg247

Background:

CLM-9, also known as TREM4, is a receptor which belongs to the TREM family. The TREM family of receptors regulates the activity of various cell types of the immune system including neutrophils, monocyte/macrophages, microglia, and dendritic cells. CLM-9 may mediate L-selectin-dependent lymphocyte rollings. It binds SELL in a calcium dependent manner. CLM-9 also binds lymphocyte which suggests that it functions in lymphocyte adhesion. The major CLM-9 transcript is expressed highly in human heart, skeletal muscle, and placenta. The mouse protein has been shown to be expressed in capillary endothelial cells. Human CLM-9 mediates the uptake of human IgA2 and mouse IgM.