



Recombinant Protein Technical Manual

Recombinant Human CLM-9/TREM4 Protein (His Tag)
RPES1453

Product Data:

Product SKU: RPES1453

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: AAH25395.1

Protein Information:

Molecular Mass: 25.8 kDa

AP Molecular Mass: 64 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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 a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

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: Leu19-Arg247

Background:

CMRF35-Like Molecule 9 (CD300LG) is a single-pass type I membrane protein which belongs to the CD300 family. CD300LG has one Ig-like V-type domain which mediates binding to lymphocyte. CD300LG is highly expressed in heart, skeletal muscle and placenta. CD300LG acts as a receptor which may mediate L-selectin-dependent lymphocyte rollings. CD300LG also binds SELL in a calcium dependent manner and lymphocyte. CD300LG may play a important role in molecular traffic across the capillary endothelium.