



Recombinant Protein Technical Manual

Recombinant Cynomolgus CD40/TNFRSF5/CD40L Receptor Protein (Fc Tag)

RPES3174

Product Data:

Product SKU: RPES3174

Size: 10µg

Species: Cynomolgus

Expression host: Human Cells

Uniprot: G7PG38

Protein Information:

Molecular Mass: 46.3 kDa

AP Molecular Mass: 30&35&60 kDa

Tag: C-Fc

Bio-activity:

Purity: > 90% as determined by reducing SDS-PAGE.

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

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°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 50 mM Tris, 100 mM Glycine, pH 7.5.

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

Application:

Synonyms: Tumor Necrosis Factor Receptor Superfamily member 5; B-Cell Surface Antigen CD40; Bp50; CD40L Receptor; CDw40; CD40; TNFRSF5

Immunogen Information:

Sequence: Glu21-Arg193

Background:

CD40 is a Type I Transmembrane Glycoprotein that belongs to the TNF Receptor Superfamily. CD40 is expressed in B cells, follicular dendritic cells, dendritic cells, activated monocytes, macrophages, endothelial cells, vascular smooth muscle cells, and several tumor cell lines. The extracellular domain of CD40 is characterized by Cysteine rich repeat regions. Interaction of CD40 with its ligand (CD40L) leads to aggregation of CD40 molecules, which in turn interact with cytoplasmic components to initiate signaling pathways. Several different TRAF proteins (adaptor proteins) have been identified to serve as mediators of the signal transduction.