



## CD40/TNFRSF5

E21-319

**Catalog Number:**E21-319

**Amount:**10ug

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

**Storage/Stability:**Lyophilized protein should be stored at  $< -20^{\circ}\text{C}$ , though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at  $4-7^{\circ}\text{C}$  for 2-7 days. Aliquots of reconstituted samples are stable at  $< -20^{\circ}\text{C}$  for 3 months.

**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 serves as mediators of the signal transduction. CD40 plays an essential role in mediating a broad variety of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation.

**Species:**Human

**Reconstitution:**Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than  $100\text{ }\mu\text{g/ml}$ . Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin:**Less than  $0.1\text{ ng}/\mu\text{g}$  ( $1\text{ IEU}/\mu\text{g}$ ) as determined by LAL test.

**Purity:**Greater than 95% as determined by reducing SDS-PAGE.

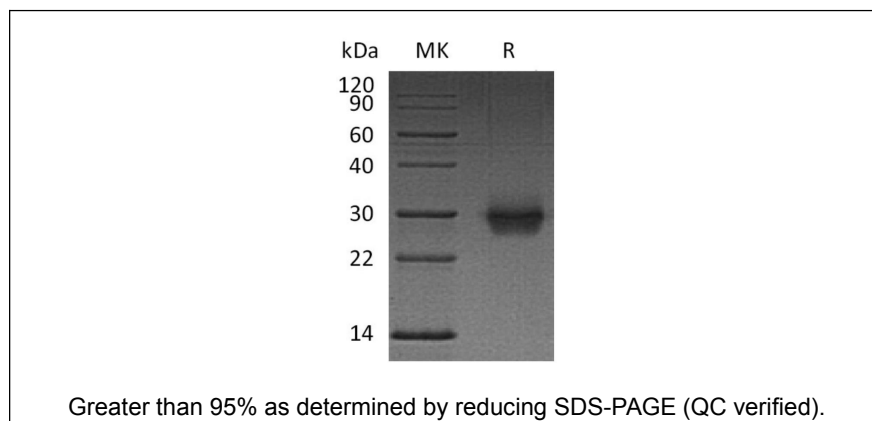
**Description:**Recombinant Human CD40L Receptor is produced by our Mammalian expression system and the target gene encoding Glu21-Arg193 is expressed with a 6His tag at the C-terminus.

**Product State:**Lyophilized

**Ship Description:**The product is shipped at ambient temperature.

**Formulation:**Lyophilized from a  $0.2\text{ }\mu\text{m}$  filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

**Expression system:**Human cells



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