Recombinant Human TNFSF5/CD40 ligand/CD154 Protein

RPCB1236

Protein Information

Size:	10 µg , 20 µg , 50 µg , 100 µg	**Tag:**	N-6His
Reactivity:	Human	**Expressed Host:**	HEK293 cells
Calculated MW:	16.64 kDa	**Observerd MW:**	20-27 kDa

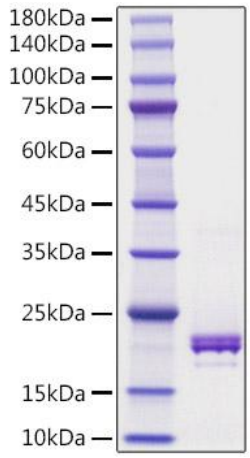
Background

CD154, also known as CD40 ligand or CD40L, is a member of the TNF superfamily. While CD154 was originally found on T cell surface, its expression has since been found on a wide variety of cells, including platelets, mast cells, macrophages and NK cells. CD154's ability is achieved through binding to the CD40 on antigen-presenting cells (APC). In the macrophage cells, the primary signal for activation is IFN-γ from Th1 type CD4 T cells. The secondary signal is CD40L on the T cell, which interacting with the CD40 molecules, helping increase the level of activation.

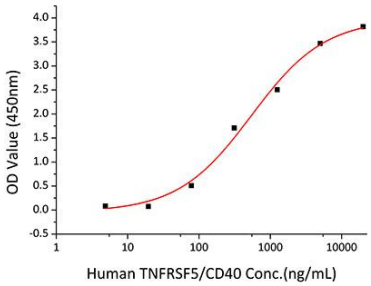
Properties

Synonyms:	IGM, IMD3, TRAP, gp39, CD154, CD40L, HIGM1, T-BAM, TNFSF5, hCD40L ; CD40LG
Gene ID:	959
Endotoxin:	< 0.1 EU/µg of the protein by LAL method.
Description:	High quality, high purity and low endotoxin recombinant Recombinant Human TNFSF5/CD40 ligand/CD154 Protein (RPCB1236), tested reactivity in HEK293 cells and has been validated in SDS-PAGE.100% guaranteed.
Purity:	≥ 95 % as determined by SDS-PAGE.
Storage:	Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.

Validation Data



Recombinant Human TNFSF5/CD40 ligand/CD154 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Human CD40L (RPCB1236) at 5 µg/mL (100 µL/well) can bind Human CD40 (RPCB0821) with a linear range of 0.005-0.5 µg/mL.