9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

sCD40L Mouse

Soluble CD-40 Ligand/TRAP Mouse Recombinant
CDA0150

Product Overview

Name	sCD40L Mouse
Description	
Soluble CD-40 Ligand/TRAP Mouse Recombinant	
Accession (Primary)	P27548
Synonyms	
CD40-L, Tumor necrosis factor ligand superfamily member 5, TNF-related activation protein, TRAP, T cell antigen Gp39, CD154 antigen, sCD40, IGM, IMD3, HIGM1, T-BAM, TNFSF5, hCD40L.	
Introduction	
CD40L or CD154 is a membrane glycoprotein and differentiation antigen expressed on the surface of T-cells. The CD40 ligand stimulates B-cell proliferation and secretion of all immunoglobulin isotypes in the presence of cytokines . CD40 ligand has been shown to induce cytokine production and tumoricidal activity in peripheral blood monocytes. It also costimulates proliferation of activated T-cells and this is accompanied by the production of IFN-gamma , TNF-alpha , and IL2 .	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a sterile concentrated solution (1mg/ml) with 10mM Sodium Phosphate pH=7.5.	
Stability	
Lyophilized sCD40 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CD154 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
The sequence of the first five N-terminal amino acids was determined and was found to be Met-Gln-Arg-Gly-Asp.	
Biological Activity	

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The ED50 as determined by its ability to induce MIP-1 alpha & TNF-alpha from mouse splenocytes was found to be 0.1 µg/ml corresponding to a Specific Activity of 10,000IU/mg.

Solubility

It is recommended to reconstitute the lyophilized sCD40 in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

sCD40L Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P27548)