

## Soluble CD40Ligand/TRAP, murine recombinant

<b>CATALOG #:</b>	4015-25	25 µg
	4015-100	100 µg
	4015-500	500 µg
	4015-1000	1 mg
<b>SOURCE:</b>	<i>E. coli</i>	
<b>PURITY:</b>	>98% by SDS-PAGE and HPLC analysis Endotoxin level is <0.1 ng per µg of sCD40L/TRAP	
<b>MOL. WEIGHT:</b>	16.4 kDa	
<b>FORM:</b>	Sterile filtered and then lyophilized from 10 mM Sodium Phosphate, pH 7.5 + 0.1 M Arginine.	

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted into other aqueous buffers or stored at 4°C for 1 week or -20°C for future use.

### STORAGE CONDITIONS:

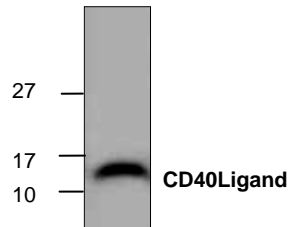
The lyophilized sCD40L/TRAP is best-stored desiccated below 0°C. Reconstituted sCD40L/TRAP should be stored at working aliquots at -20°C.

### DESCRIPTION:

CD40 Ligand (CD40L/TRAP) is a type II transmembrane glycoprotein belonging to the TNF superfamily of ligands. Naturally, CD40L is a membrane-bound protein, but proteolytically cleaved 15-18 kDa soluble forms of CD40L are also fully active. CD40L plays an important role in the proliferation and differentiation of B-cells, and is critical for immunoglobulin (Ig) class switching. Recombinant murine CD40 Ligand is a soluble 18 kDa protein containing 149 amino acid residues comprising the receptor binding TNF-like domain of CDE40L.

### BIOLOGICAL ACTIVITY:

Determined by its ability to induce TNF- $\alpha$  and MIP-1 $\alpha$  production by murine splenocytes. The expected ED<sub>50</sub> for this effect is <0.1 µg/ml.



**Cat. #: 4015**  
Purity of recombinant murine CD40 Ligand/TRAP (2 µg) was analyzed by reduced SDS-PAGE electrophoresis.

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