

Product Datasheet

Recombinant Human CD40L Protein (orb2994532)

Catalog Number	orb2994532
Category	Proteins
Description	Recombinant Human CD40 Ligand is produced by our Mammalian expression system and the target gene encoding Met113-Leu261 is expressed.
Conjugation	Unconjugated
Tag	Tag free
Form/Appearance	Lyophilized
Buffer/Preservatives	0.2 µm filtered solution of 20mM PB, 200mM NaCl, 0.1mM EDTA, pH 7.0.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Purity	SDS-PAGE: Greater than 95% as determined by reducing SDS-PAGE.. SEC-HPLC: Greater than 95% as determined by SEC-HPLC. (QC verified)
UniProt ID	P29965
MW	Predicted: 16.2 KDa. Observed: 16-18 KDa, reducing conditions
Expression System	Human Cells
Endotoxins	0.01 EU/µg as determined by LAL test.
Biological Origin	Human

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Biological Activity

ELISA: Immobilized Anti-Human CD40L mAb(Cat. No.:orb2993151) at 5 µg/mL (100 µL/well) can bind Human CD40L (Cat. No.:orb2994532). The EC50 of Human CD40L (Cat. No.:orb2994532) is ≤ 10 ng/mL. [QC Verified]. BLI: Loaded Human CD40-mFc(Cat#orb2994039) on AMC Biosensor, can bind Human CD40L(Cat#orb2994532) with an affinity constant of 10.2 nM as determined in BLI assay. Loaded Human CD40-Fc(Cat#orb2994010) on Protein A Biosensor, can bind Human CD40L(Cat#orb2994532) with an affinity constant of 3.29 nM as determined in BLI assay. Loaded Anti-Human CD40L mAb-Fc(Cat#orb2993151) on Protein A Biosensor, can bind Human CD40L(Cat#orb2994532) with an affinity constant of 0.02 nM as determined in BLI assay.

Expression Region

Met113-Leu261

Storage

Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ for 3 months.

Note

For research use only

Expiration Date

6 months from date of receipt.

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