

Product Datasheet

Recombinant Human CD40L Protein (orb2993921)

Catalog Number	orb2993921
Category	Proteins
Description	Recombinant Human CD40 Ligand is produced by our Mammalian expression system and the target gene encoding Met113-Leu261 is expressed with a mFc tag at the N-terminus.
Conjugation	Unconjugated
Tag	N-mFc
Form/Appearance	Lyophilized
Buffer/Preservatives	0.2 µm filtered solution of PBS, 1mM EDTA, pH 7.4.
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 90% as determined by reducing SDS-PAGE.
UniProt ID	P29965
MW	Predicted: 42.7 KDa. Observed: 50&90 KDa, reducing conditions
Expression System	Human Cells
Endotoxins	1 EU/µg as determined by LAL test.
Biological Origin	Human

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biological Activity

BLI: Loaded Anti-Human CD40L mAb-Fc(Cat#orb2993151) on AHC Biosensor, can bind Human CD40L-mFc(Cat#orb2993921) with an affinity constant of -3 nM as determined in BLI assay. (Regularly tested) Loaded Human CD40-His(Cat#orb2995146) on HIS1K Biosensor, can bind Human CD40L-mFc(Cat#orb2993921) with an affinity constant of 4.21 nM as determined in BLI assay. Loaded Cynomolgus CD40-His(Cat#orb2994787) on HIS1K Biosensor, can bind Human CD40L-mFc(Cat#orb2993921) with an affinity constant of 3.62 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 $2-8^{\circ}\text{C}$ 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.

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)