

## CD40/TNFRSF5 recombinant protein

Biotinylated Human CD40/TNFRSF5 Protein Recombinant

|           |                                                                                                                                         |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------|
| CATALOG # | HOST                                                                                                                                    |
| AAA76149  | HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.) |

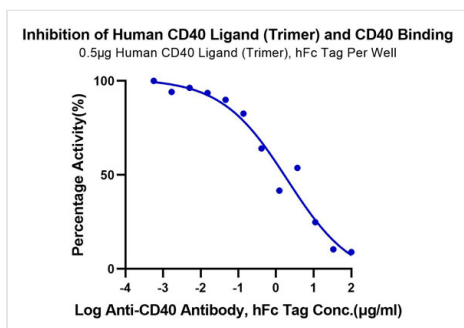
### PRODUCT SYNONYMS

CD40/TNFRSF5; Biotinylated Human CD40/TNFRSF5 Protein Recombinant; CD40/TNFRSF5 recombinant protein

### PRODUCT SPECIFICATIONS

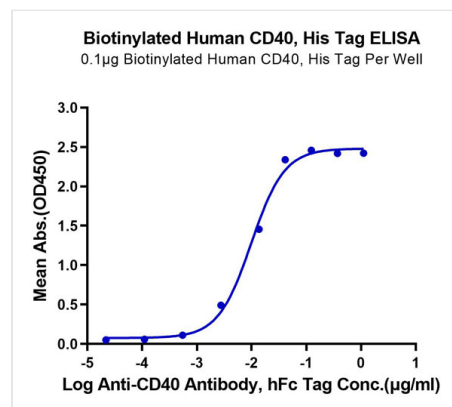
|                         |                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)                                                                  |
| Purity/Purification     | >95%, as determined by SDS-PAGE and HPLC                                                                                                                                                                 |
| Form/Format             | Recombinant Human CD40/TNFRSF5 was lyophilized from 0.2 um filtered PBS solution pH7.4                                                                                                                   |
| Source                  | DNA sequence encoding Human CD40/TNFRSF5 including a C-His-Avi tag was expressed in HEK293 Cells. The recombinant protein was then biotinylated site specific using the AVItag biotinylation technology. |
| Endotoxin               | Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).                                                                                 |
| Molecular Function      | Receptor                                                                                                                                                                                                 |
| Biological Process      | Immunity                                                                                                                                                                                                 |
| Reconstitution          | Centrifuge vial to ensure maximal product extraction, recommended: 20sec, 5K RPM                                                                                                                         |
| Preparation and Storage | The lyophilized protein is stable for at least 2 years from date of receipt at -20 degree C.                                                                                                             |

### IMAGES



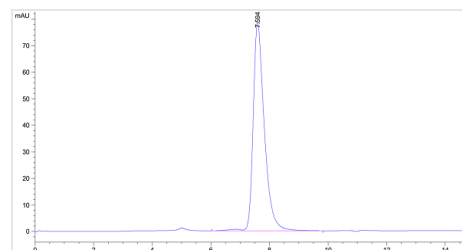
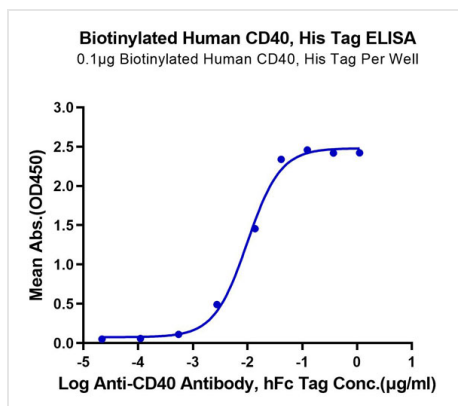
#### Application Data

Biotinylated Human CD40/TNFRSF5 Protein Blocking Data: Serial dilutions of Anti-CD40 Antibody were added into Biotinylated Human CD40, His Tag : Human CD40 Ligand (Trimer), hFc Tag binding reactions. The half maximal inhibitory concentration (IC50) is 2.0 µg/ml.



#### Application Data

Biotinylated Human CD40/TNFRSF5 Protein ELISA Data: Immobilized Biotinylated Human CD40, His Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-CD40 Antibody, hFc Tag with the EC50 of 9.9 ng/ml determined by ELISA.



#### Application Data

Biotinylated Human CD40/TNFRSF5 Protein SEC-HPLC The purity of Biotinylated Human CD40 is greater than 95% as determined by SEC-HPLC.

#### ELISA

Biotinylated Human CD40/TNFRSF5 Protein ELISA Data Immobilized Biotinylated Human CD40, His Tag at 1?g/ml (100?l/Well) on the plate. Dose response curve for Human CD40L, hFc Tag with the EC50 of 33ng/ml determined by ELISA.



#### Tris-Bis-PAGE

Biotinylated Human CD40/TNFRSF5 Protein Tris-Bis PAGE Biotinylated Human CD40 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

## ADDITIONAL INFORMATION

Product Categories/Family for  
CD40/TNFRSF5 recombinant protein

Biotinylated proteins

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                            |
|----------------------------------|----------------------------------------------------------------------------|
| NCBI GI #                        | 4507581                                                                    |
| NCBI GeneID                      | 958                                                                        |
| NCBI Accession #                 | NP_001241.1                                                                |
| NCBI GenBank Nucleotide #        | NM_001250.4                                                                |
| UniProt Accession #              | P25942; O08863; B2RUR8; P39429; Q13114; Q60803; P29965 CD40L_HUMAN; Q12933 |
| Molecular Weight                 | 30,619 Da                                                                  |
| NCBI Official Full Name          | tumor necrosis factor receptor superfamily member 5 isoform 1              |
| NCBI Official Synonym Full Names | CD40 molecule, TNF receptor superfamily member 5                           |
| NCBI Official Symbol             | CD40                                                                       |
| NCBI Official Synonym Symbols    | p50; Bp50; CDW40; TNFRSF5                                                  |

|                            |                                                                                                                                                                                                                                                                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Protein Information   | tumor necrosis factor receptor superfamily member 5; CD40L receptor; CD40 type II isoform; B cell-associated molecule; B cell surface antigen CD40; B-cell surface antigen CD40; CD40 antigen (TNF receptor superfamily member 5); tumor necrosis factor recept |
| UniProt Protein Name       | Tumor necrosis factor receptor superfamily member 5                                                                                                                                                                                                             |
| UniProt Gene Name          | CD40                                                                                                                                                                                                                                                            |
| UniProt Synonym Gene Names | TNFRSF5                                                                                                                                                                                                                                                         |
| UniProt Entry Name         | TNR5_HUMAN                                                                                                                                                                                                                                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/cd40-recombinant-protein-hek293-cells/76149>