

## Cluster Of Differentiation 8b (CD8b) Recombinant Protein | CD8b recombinant protein

Recombinant Cluster Of Differentiation 8b (CD8b)

|                               |                       |                                                                           |
|-------------------------------|-----------------------|---------------------------------------------------------------------------|
| CATALOG #<br><b>AAA135550</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>Immunoprecipitation, ELISA, Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|---------------------------------------------------------------------------|

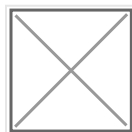
### PRODUCT SYNONYMS

Cluster Of Differentiation 8b (CD8b); Recombinant Cluster Of Differentiation 8b (CD8b); CD8b recombinant protein

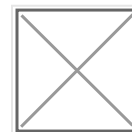
### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Purity/Purification                                  | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Form/Format                                          | Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sequence                                             | Thetargetp roteinisfu sedwithtwo N-terminal Tags,His-t agandT7-ta g,itsseque nceisliste dbelow.<br>MGSSHHHHH HSSGLVPRGS HMASMTGGQQ MGRGSEF-LI QTPSSLLVQT NHTAKMSCEV KSISKLTISIY<br>WLRERQDPKD KYFEFLASWS SSKGVLYGES VDKKRNIILE SSDSRPFLS IMNVKPEDSD FYFCATVGGSP<br>KMFVGTGTLK TVVDVLPTTA PTKKTLKMK KKKQCPFPHP ETQKGLTCSL TT                                                                                                                                                                                                                                                                                             |
| Sequence Length                                      | 213                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Applicable Applications for CD8b recombinant protein | IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Organism                                             | Mus musculus (Mouse)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Expression System                                    | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Residues                                             | Leu22~Thr175 (Accession # P10300) with two N-terminal Tags, His-tag and T7-tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Subcellular Location                                 | Membrane; Single-pass type I membrane protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Endotoxin Level                                      | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Predicted Isoelectric Point                          | 9.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Reconstitution                                       | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Preparation and Storage                              | Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months.<br>Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition. |

### IMAGES



SDS-PAGE



Sequence

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 6753358                                                                                                                                |
| NCBI GeneID                      | 12526                                                                                                                                  |
| NCBI Accession #                 | NP_033988.1                                                                                                                            |
| NCBI GenBank Nucleotide #        | NM_009858.2                                                                                                                            |
| UniProt Accession #              | P10300; Q31127; Q60966; Q61811                                                                                                         |
| Molecular Weight                 | 21.2kDa                                                                                                                                |
| NCBI Official Full Name          | T-cell surface glycoprotein CD8 beta chain                                                                                             |
| NCBI Official Synonym Full Names | CD8 antigen, beta chain 1                                                                                                              |
| NCBI Official Symbol             | Cd8b1                                                                                                                                  |
| NCBI Official Synonym Symbols    | Cd8b; Ly-3; Ly-C; Lyt-3                                                                                                                |
| NCBI Protein Information         | T-cell surface glycoprotein CD8 beta chain; lymphocyte antigen 3; T-cell membrane glycoprotein Ly-3; T-cell surface glycoprotein Lyt-3 |
| UniProt Protein Name             | T-cell surface glycoprotein CD8 beta chain                                                                                             |
| UniProt Gene Name                | Cd8b                                                                                                                                   |
| UniProt Synonym Gene Names       | Cd8b1; Ly-3; Lyt-3; Lyt3                                                                                                               |
| UniProt Entry Name               | CD8B_MOUSE                                                                                                                             |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/cd8b-recombinant-protein-e-coli-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/135550>