

CD8B, human recombinant protein

T-cell surface glycoprotein CD8 beta chain isoform 5 precursor, CD8B1, LEU2, LY3, LYT3, P37

Catalog # PBV10944r

Specification

CD8B, human recombinant protein - Product info

Primary Accession	P10966
Concentration	0.5
Calculated MW	19.2 kDa (172 aa, 22-170 aa + His tag), confirmed by MALDI-TOF. KDa

CD8B, human recombinant protein - Additional Info

Gene ID	926
Gene Symbol	CD8B
Other Names	
T-cell surface glycoprotein CD8 beta chain isoform 5 precursor, CD8B1, LEU2, LY3, LYT3, P37	
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥80%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MGSSHHHHHH SSGLVPRGSH MGS LQQT PAY IKVQTNKMVM LSCEAKISLS NMRIYWLRQR QAPSSDSHHE FLALWDSAKG TIHGEEVEQE KIAVFRDASR FILNLT SVKP ED SG IYFCMI VGSP ELTFGK GTQLSVVD FL PTTAQPTKKS TLKKRVCRLP RPETQKG PLC SP

Target/Specificity

CD8B

Format

Liquid

Storage

-80°C; 0.5 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 0.4 M Urea and 10% glycerol.

CD8B, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD8B, human recombinant protein - Images

CD8B, human recombinant protein - Background

CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen, acting as a coreceptor and the T-cell receptor on the T lymphocyte recognize antigens displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. The functional coreceptor is either a homodimer composed of two alpha chains, or a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 beta chain isoforms. Recombinant human CD8B protein, fused to His-tag at N-terminus, was expressed in E.coli.

CD8B, human recombinant protein - References

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Disanto J.P., et al. EMBO J. 7:3465-3470(1988).
Shiue L., et al. J. Exp. Med. 168:1993-2005(1988).
Nakayama K., et al. J. Immunol. 148:1919-1927(1992).
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