

Datasheet for ABIN7319333

CD8B Protein (His tag)

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Overview

Quantity:	50 µg
Target:	CD8B
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD8B protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CD8 beta/CD8B Protein (His Tag)
Sequence:	Leu22-Pro170
Characteristics:	Recombinant Human T-Cell Surface Glycoprotein CD8 beta Chain is produced by our Mammalian expression system and the target gene encoding Leu22-Pro170 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CD8B
Alternative Name:	CD8 beta/CD8B (CD8B Products)
Background:	Background: T-Cell Surface Glycoprotein CD8β Chain (CD8 Antigen) is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell

Target Details

interactions within the immune system. 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. Multiple alternatively spliced transcript variants encoding distinct membrane associated or secreted isoforms have been described. A pseudogene, also located on chromosome 2, has been identified.

Synonym: T-Cell Surface Glycoprotein CD8 Beta Chain, CD8b, CD8B, CD8B1, LEU2, LY3, LYT3, P37

Molecular Weight: 17.8 kDa

Pathways: [TCR Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.