

Human CD8A Recombinant Protein

CATALOG NUMBER: IV-CD8A-005P, 50 µg

Introduction

The CD8 (cluster of differentiation 8) 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 acts as a co-receptor with the T-cell receptor (TCR) on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class I MHC molecules. The co-receptor functions as either a homodimer composed of two alpha chains or as a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains.

Applications

Western blot standard, antibody ELISA, *etc.*

Description

Human CD8 alpha glycoprotein expressed and purified from 293 cells; C-terminal 6xHis tagged human CD8 glycoprotein (amino acid 22-182) (Gene Accession No. NM_001145873)

Storage

Store at -20 °C; Stable for 3-months from the date of shipment when kept at 4 °C.

Concentration

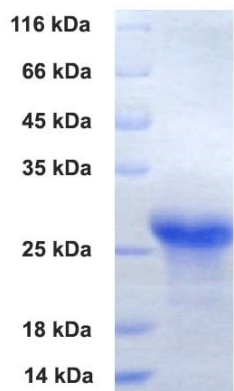
1 mg/ml in PBS with 20% glycerol and 0.1% sodium azide

Endotoxin Level

<0.01 EU per 1 µg of the protein by LAL test

Purity

≥ 95% purity (SDS PAGE)



SDS-PAGE: purified human CD8A protein

HUMAN CD8A (AMINO ACID 22-182) SEQ:

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SQFRVSPLDRTWNLGETVELKQCQVLLSNPTSGCSWLFQPRGAAASPTFLLYLSQNPKAAEGLDTRFSGKRLGDTFVLT  
LSDFRRENEGYYFCSALSNSIMYFSHFVPVFLPAKPTTTPAPRPPTPAPTIASQPLSLRPEACRPAAGGAVHTRGLDFAC  
DHHHHHH
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