

Product Information

MemDX™ Membrane Protein Human CD8A (CD8a molecule) Expressed in *E.coli* with 6xHis and SUMO tag at the N-terminus for Antibody Discovery, Partial (22-182aa)

Cat. No.: **MPX4588K**

This product is for research use only and is not intended for diagnostic use.

This product is a 33.6kDa Human CD8A membrane protein expressed in *E.coli*. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

CD8A

Protein Length

Partial (22-182aa)

Protein Class

Immunity

Molecular Weight

33.6kDa

TMD

1

Sequence

SQFRVSPLDRTWNLGETVELKCQVLLSNPTSGCSWLFQPRGAAASPTFLLYLSQNKPKAAEGLDTQRFSGKRLGDTFVLTLSDFR

Product Description

Expression Systems

E.coli

Tag

6xHis and SUMO tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Purity

>90% as determined by SDS-PAGE

Buffer

Tris-based buffer, 50% glycerol

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

CD8A

Full Name

CD8a molecule

Introduction

The 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 acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class I MHC molecules. The coreceptor 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. This gene encodes the CD8 alpha chain. Multiple transcript variants encoding different isoforms have been found for this gene. The major protein isoforms of this gene differ by the presence or absence of a transmembrane domain and thus differ in being a membrane-anchored or secreted protein.

Alternative Names

CD8A; CD8; p32; Leu2; T-cell surface glycoprotein CD8 alpha chain; CD8 antigen, alpha polypeptide (p32); Leu2 T-lymphocyte antigen; OKT8 T-cell antigen; T cell co-receptor; T-cell antigen Leu2; T-lymphocyte differentiation antigen T8/Leu-2; T8 T-cell antigen; CD8a molecule

Gene ID

[925](#)

UniProt ID

[P01732](#)