

Product Information

MemDX™ Antibody Discovery - Human CD7 (26-180) Membrane Protein, Partial, Llama

IgG2b Fc- tag, low endotoxin

Cat. No.: **MP1243F**

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

This membrane protein is Human CD7 (26-180). It has been tested in SDS-PAGE, ELISA. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species

Human

Target Protein

CD7

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 44.3 kDa. The protein migrates as 55-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Ala 26 - Pro 180 (Accession # P09564-1).

Product Description

Activity

Yes

Application

SDS-PAGE, ELISA

Expression Systems

HEK293

Tag

Llama IgG2b Fc tag at the N-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<0.01 EU/μg by the LAL method

Purity

>95% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.

The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile conditions after reconstitution after storage at -80°C.

Target

Target Protein

CD7

Full Name

CD7 molecule

Introduction

This gene encodes a transmembrane protein which is a member of the immunoglobulin superfamily. This protein is found on thymocytes and mature T cells. It plays an essential role in T-cell interactions and also in T-cell/B-cell interaction during early lymphoid development.

Alternative Names

GP40; TP41; Tp40; LEU-9; T-cell antigen CD7; CD7 antigen (p41); T-cell leukemia antigen; T-cell surface antigen Leu-9; p41 protein

Gene ID

[924](#)

UniProt ID

[P09564](#)