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Product Information

MemDX™ Antibody Discovery - Human CD5 (25-372) Membrane Protein, Partial, -His tag

Cat. No.: **MP1164F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human CD5 (25-372). It has been tested in SDS-PAGE. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Human

Target Protein
CD5

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 40.5 kDa. The protein migrates as 45-53 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Arg 25 - Pro 372 (Accession # NP_055022).

Product Description

Application
SDS-PAGE

Expression Systems
HEK293

Tag
His tag at the C-terminus

Protein Format
Soluble

Form
LYOPH

Reconstitution
Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/μg by the LAL method

Purity

>95% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. 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 coditions after reconstitution after storage at -80°C.

Target

Target Protein

CD5

Full Name

CD5 molecule

Introduction

This gene encodes a member of the scavenger receptor cysteine-rich (SRCR) superfamily. Members of this family are secreted or membrane-anchored proteins mainly found in cells associated with the immune system. This protein is a type-I transmembrane glycoprotein found on the surface of thymocytes, T lymphocytes and a subset of B lymphocytes. The encoded protein contains three SRCR domains and may act as a receptor to regulate T-cell proliferation. Alternative splicing results in multiple transcript variants encoding different isoforms.

Alternative Names

CD5, CD5 molecule, CD5 antigen (p56 62) , LEU1, T-cell surface glycoprotein CD5, T1, CD5 antigen (p56-62), lymphocyte antigen T1/Leu-1, LEU1,

Gene ID

921

UniProt ID

P06127